File 96
No. 43

Control Series—Published Quarterly August Issue, 1924—No. 108

Commercial Fertilizers

Maryland Farmers bought approximately 155,168 tons of mixed and unmixed fertilizer in 1923. This represents an outlay of at least $4,000,000. The protection of fertilizer buyers in the expenditure of such a tremendous sum is of great importance.

It is to this task that fertilizer inspection is devoted, and this bulletin is published in order that fertilizer buyers may have accurate information regarding fertilizers bought from Jan. 1, to July 1, 1924.

STATE FERTILIZER DEPARTMENT
Controlled by
UNIVERSITY OF MARYLAND
COLLEGE PARK, MD.

Entered at College Park (Md.) Post-Office as Second-Class Matter.

COMMERCIAL FERTILIZERS

January 1, 1924—July 1, 1924

Compiled and edited under the supervision and direction of N. E. Gordon, State Chemist, and L. E. Bopst, in charge of Fertilizer, Feed and Lime Departments.

BOARD OF REGENTS—UNIVERSITY OF MARYLAND

SAMUEL M. SHOEMAKER, *Chairman*.....1916-1925
Eccleston, Baltimore County.

ROBERT CRAIN.....1924-1933
Mt. Victoria, Charles County.

JOHN M. DENNIS, *Treasurer*.....1925-1932
Union Trust Company, Baltimore.

DR. FRANK GOODNOW.....1922-1931
6 W. Madison Street, Baltimore.

JOHN E. RAINE.....1921-1930
413 E. Baltimore Street, Baltimore.

CHARLES C. GELDER.....1920-1929
Princess Anne, Somerset County.

DR. W. W. SKINNER, *Secretary*.....1919-1928
Kensington, Montgomery County.

B. JOHN BLACK.....1918-1927
Roslyn, Baltimore County.

HENRY HOLZAPFEL.....1917-1926
Hagerstown, Washington County.

DR. ALBERT F. WOODS.....*Executive Officer and President of University.*

STATE FERTILIZER, FEED AND LIME DEPARTMENTS.

N. E. GORDON, Ph. D., *State Chemist.*
L. E. BOPST, B. S., *Chemist in Charge of Fertilizer, Feeds and Lime.*
L. H. VANWORMER, M. S., *First Assistant Chemist.*
A. L. FENNER, B. S., *Assistant Chemist.*
H. R. WALLS, *Assistant Chemist.*
E. C. DONABDSON, M. S., *Assistant Chemist.*
F. R. DARKIS, M. S., *Assistant Chemist.*
O. H. REINMUTH, B. S., *Aisistant Chemist.*

The inspection, analysis and control work of the fertilizer and feed trade is carried on by the State Department, but the State Department is so related to the chemical work of the University that the other men of the Chemical Staff who are mentioned below may be called on for help in time of need; and, furthermore, it is the purpose of the majority of this Chemical Staff to be carrying on some investigations which bear directly or indirectly on the properties of fertilizers, feeds and lime.

CHEMICAL STAFF.

N. E. GORDON, Ph. D., *Head of Chemistry Department.*

Physical Chemistry
M. R. HARING, Ph. D., *Asst. Professor.*
E. G. VAN DEN BOSCHE, B. S., *Asst.*

Organic Chemistry
M. KHARASCH, Ph. D., *Asso. Professor.*
R. E. MARKER, M. S., *Assistant.*

Industrial Chemistry
L. B. BROUGHTON, M. S., *Professor.*
J. H. GARDNER, Ph. D., *Asst. Professor.*

Inorganic Chemistry
E. B. STARKEY, M. S., *Instructor.*
D. LICHTENWALNER, M. S., *Instructor.*
CHAS. WHITE, M. S., *Assistant.*

Analytical Chemistry
R. C. WILEY, M. S., *Associate Professor.*

INTRODUCTION

The duties of the State Fertilizer Department, as set forth in the Fertilizer Law, consist in the registration of brands to be offered for sale; the inspection of methods of labelling and selling; the collection and analysis of official samples; publication of the results obtained; and the analysis of special samples forwarded to the Department by residents of the State. This bulletin constitutes a report of the work performed from January 1, to July 1, 1924, and contains a record of the analyses of official samples obtained during that period.

In the course of the half-year ending July 1, State Fertilizer Inspectors collected from dealers' and manufacturers' stocks, and from shipments in transit, 712 samples of commercial fertilizers. All of these samples were analyzed and the results reported to the respective manufacturers, dealers and, whenever possible, to the consumers.

We regret to note that our reports show a larger number of deficiencies for the season just past than has occured during any similar period in recent years. Yet, in view of the conditions prevailing at present in the fertilizer industry, this circumstance is not altogether surprising. The unsettled state of the raw material market, coupled with various other adverse factors, has forced many manufacturers to operate on a basis which precluded the possibility of profit and some of them have even sold fertilizer at a price which must have been below the actual cost of production. These conditions have naturally led to a tendency on the part of certain manufacturers to cut the normal margin of safety allowed in compounding to a minimum. This procedure will, no doubt, account for a large number of the shortages.

On the whole, however, we may say that the situation is not discouraging from the official's point of view, and that very few manufacturers have displayed any disposition to evade the law or to knowingly defraud their customers.

COMMERCIAL FERTILIZERS

Last year, Maryland farmers bought commercial fertilizer to the amount of 155,168 tons, representing an outlay of approximately $4,000,000.

The State Fertilizer Department, created and regulated by the State Fertilizer Law, is devoted primarily to the task of providing fertilizer buyers with every possible protection against fraud in the expenditure of this considerable sum. In the performance of this task, the Department automatically furnishes the honest manufacturer and dealer with the protection which he deserves against unscrupulous competition. Fertilizer users can aid greatly in their own protection by co-operating with the State Fertilizer Department and the law-abiding manufacturers to the extent of refusing to purchase fertilizers which are not clearly labeled with the information required by law. Such brands are liable to be not entirely as represented.

TO THE FERTILIZER BUYER

In the performance of the duties connected with the Fertilizer Control Service, it is continually brought to the attention of the State officials that certain misconceptions concerning fertilizer and the fertilizer business are more or less prevalent in the minds of fertilizer users. With this idea in mind, the following paragraphs are offered to the readers in the hope that they will correct some of these erroneous impressions.

The Manufacturer

The existence of the State Fertilizer Department is a recognition of the fact that fraud in the manufacture and sale of fertilizers is possible, yet we feel that this possibility has been greatly overemphasized, and that many fertilizer buyers have adopted a totally unjustified attitude of suspicion toward fertilizer manufacturers in general.

The principles of success in the fertilizer industry are the same as in any other industry, and one of them is, that a great and enduring business can be built only on the foundation of honestly served and satisfied customers. Unscrupulous operators are, in course of time, automatically eliminated by their own acts.

The Chemical Analysis

Chemical analysis has always been the fertilizer buyer's chief safeguard, yet the chemist's report does not contain all the facts that determine the value of a fertilizer. The **sources** of the respective plant foods present are frequently an even more important consideration than the **total quantity** present. Thus, one 7-6-5 fertilizer may easily cost the manufacturer three or four dollars a ton more than another 7-6-5, and be worth either several dollars more or less per ton to the user in results produced, depending on how wisely its ingredients were selected, proportioned and compounded, and the conditions under which the fertilizers were used. Thus, the statement that a brand name means nothing, and that one 7-6-5 is as good as another, provided that both analyze up to guarantee, is not true.

"Fertilizer Registrations," published by the State Fertilizer Department, gives statements of the ingredients, and the approximate proportions of each ingredient contained in every brand of fertilizer registered in the State. It should be used in conjunction with "Fertilizer Analysis" in selecting fertilizers.

In the fertilizer business, as in any other, most firms have built up a reputation for fair dealing, and certain brands have come to have a definite significance. These facts should not be disregarded.

Overages

It occasionally happens that a fertilizer sample will analyze substantially higher than guaranteed. Salesmen and dealers occasionally use such "overages" as selling points. In reality, when the facts are carefully considered, overages should not recommend a brand.

In these days of intense modern competition, the fertilizer business operates on a rather narrow margin of profit; therefore, the fertilizer manufacturer cannot afford to give away substantially

greater value than that for which he receives payment. He, of course, allows a certain small margin of safety in compounding his fertilizers, but any great deviation from guarantee can safely be regarded as evidence of carelessness, ignorance, lack of adequate chemical control, or imperfect mixing, any one of which may just as easily result in a deficiency as an overage. The fact that a few individual purchasers of certain brands received greater value for their money in the Spring of 1924 than they had a right to expect should not be advanced as an assurance that the purchasers of those brands in the Fall of 1924 will be equally fortunate.

THE MANUFACTURE OF COMMERCIAL FERTILIZERS

It has occurred to the officials of the State Fertilizer Department that the readers of the Fertilizer Bulletins might find a brief, non-technical account of the processes by which commercial fertilizers are manufactured, interesting, and, to a certain extent, helpful, as tending to create a better understanding of fertilizers and the fertilizer business. In the performance of their duties, the representatives of the Fertilizer Department have the opportunity to make a fairly thorough survey of the industry as carried on in this State.

The following account is based on such observations and should be considered, not as a description of any one individual plant, but as a description of up-to-date methods and equipment as employed by the larger manufacturers.

Formulas

Before a single pound of fertilizer is mixed it is necessary to determine the ingredients of which it shall be composed. The large number of factors which influence the choice of these ingredients make this a matter not so simple as it may appear.

Naturally, the supply and the cost of raw materials must always be kept in mind. The conscientious and progressive manufacturer must also take into consideration the fact that an ingredient highly satisfactory as a source of plant food for one crop may not be advisable for use under another crop.

Some crops have a short growing season, and require a fertilizer that is readily and quickly available; others have a longer season and require plant foods in forms which will become slowly available throughout the season. Nor is availability the only test of suitability. Certain ingredients, satisfactory in themselves, cannot be used in combination with each other.

Acid Phosphate

Some manufacturers who do a considerable volume of business prepare the acid with which they treat the crude phosphate rock to make acid phosphate. Formerly the chief source of sulfur for sulfuric acid was sulfide ore, which, upon roasting, gave up sulfur gases. Some plants still employ the old ore burners. The

more modern method, however, is to burn sulfur in specially designed kilns. The gases so obtained are combined with oxygen and water to produce the well-known sulfuric acid of commerce.

The phosphate rock, as it comes from the mines, is not sufficiently fine to be used without grinding. Consequently, it must be put through a pulverizer. A conveyor then carries this pulverized phosphate to the place where it is to be treated with the sulfuric acid.

The finely ground phosphate rock is measured in a hopper, and the previously calculated quantity of dilute acid is measured in a lead-lined tank. If too little acid solution is used the maximum availability is not obtained; if too much is used the product is acid and has a tendency to stick and cake.

When the ground phosphate rock and acid has been weighed out, they are run together into a sort of huge churn and thoroughly mixed. Then the mixture is dumped in a concrete bin and allowed to "set." In the course of several hours the entire mass becomes practically dry and assumes a consistency resembling that of very fine, hard-packed sand. After setting, the acid phosphate is dug out and piled up under shelter to cure. During the curing process, which takes several weeks, the product increases in availability and improves in mechanical texture.

Mixing

One of the important operations in the production of commercial fertilizers, is the proper mixing of the ingredients. They are weighed out into small electric-driven trucks or carts which carry them to an assembling pan, from which they enter the mixer properly proportioned. From the mixer they are conveyed to a screen which separates any lumps, due to caking, and oversized particles, delivering them to a grinder where they are reduced to the proper size, and returned.

The mixed fertilizer is carried in trucks on overhead tracks or by conveyors to the bins or piles, where it is to be stored for curing. When it is to be sacked, the fertilizer is dug out of the piles with small power shovels, loaded into trucks and carried to a shipping machine equipped with a screen. Here, any hard lumps are disintegrated, and any foreign material, which may by chance have gotten into the fertilizer pile, is removed. The fertilizer then enters a sacking hopper, from which it is drawn off into sacks to the required weight—after which the sacks are ready for sewing and shipping. This repeated handling results in a uniformly mixed product of excellent mechanical texture.

TABLES

The information assembled from the fertilizer tonnage reports for the year 1923 is briefly outlined for your convenience in the following tables.

MARYLAND FERTILIZER FACTS FOR 1923

Number of firms registered	80
Number of brands registered	988
Number of analyses registered	165
Number of complete fertilizers	109
Number of ammonia and phosphoric acid mixtures	15
Number of phosphoric acid and potash mixtures	16
Number of miscellaneous mixtures	25
Total tonnage sold	155,168
Complete fertilizer tonnage	97,970
Ammonia and phosphoric acid tonnage	1,172
Phosphoric acid and potash tonnage	16,495
Sixteen per cent. acid phosphate tonnage	23,648
Miscellaneous tonnage	15,883
Tonnage of out-of-State firms	6,727
Mixed fertilizers containing 14 or more units of plant food:	
Complete fertilizers	57,452
Ammonia and phosphoric acid mixture	499
Phosphoric acid and potash mixture	14,849
Total	72,800

FIFTEEN BRANDS SHOWING LARGEST TONNAGE—1923

No.	Analysis	Units of Plant Food	Tons Sold
1	0-16-0	16	23,648
2	2-8-5	15	12,361
3	0-12-5	17	10,817
4	7-6-5	18	9,084
5	1-9-3	13	8,075
6	2-8-2	12	7,556
7	1-8-4	13	7,276
8	4-8-4	16	4,800
9	5-8-5	18	4,269
10	Kainit	12-14	3,428
11	1-8-1	10	2,862
12	2-8-4	14	2,654
13	2-8-3	13	2,579
14	1-10-2	13	2,393
15	3-8-3	14	2,392

TONNAGE OF MARYLAND STANDARD TWELVE

	1923			1922	
No.	Analysis	Units of Plant Food	Tons Sold	No.	Tons Sold
1	7-6-5	18	9,084	1	7,456
2	4-8-4	16	4,800	2	4,227
3	5-8-5	18	4,269	3	3,090
4	2-12-2	16	1,786	4	1,652
5	0-12-6	18	952	5	818
6	0-10-4	14	753	6	696
7	10-5-0	15	133	7	251
8	2-12-4	18	116	8	0
9	3-10-6	19	10	9	0
10	6-8-4	18	0	10	0
11	3-8-8	19	0	11	0
12	4-12-0	16	0	12	0
Total Tons Sold			21,903		18,190

Tonnage Report of the Various Grades of Fertilizers Used in Maryland in 1923

Guaranteed	Tons
½-8-1	24.25
½-8-2	844.50
½-8-3	218.
½-8-4	70.
½-9-2	134.
½-9-4	394.25
½-10-1	176.50
½-10-5	125.
1-6½-1	75.
1-7-1	75.
1-7-4	.50
1-8-1	2862.167
1-8-2	1645.517
1-8-3	613.
1-8-4	7276.017
1-8-5	79.
1-8-6	327.
1-9-2	848.40
1-9-3	8074.95
1-9-4	716.25
1-10-1	387.
1-10-2	2392.85
1-10-4	458.47
1-10-3	200.
1½-10-3	100.
1-10-5	168.50
1-12-5	162.
1¼-8-2	118.
1¼-9-1½	35.
1¼-9-2	150.
1¼-10-2	548.
1½-8-3	107.
1½-9-1	31.
1½-10-5	236.
1½-12-5	328.
1¾-7-0	15.50
1¾-7-2	288.
1¾-7-3	265.
2-0-5	12.65
2-6-6	13.50
2-6½-4½	80.
2-7-5	46.
2-7-7	118.
2-8-2	7556.496
2-8-3	2578.516
2-8-4	2654.
2-8-5	12360.95
2-8-7	68.

Guaranteed	Tons
2-8-10	1940.417
2-8½-2	227.
2-9-2	2188.80
2-9-3	632.60
2-9-5	1177.534
2-10-1	6.
2-10-2	1645.70
2-10-4	663.80
2-10-5	98.
2-10-6	31.50
2-11-1	28.
2-11-3	64.
2-12-2	1786.266
2-12-1¼	6.50
2-12-4	116.
2-12-6	361.
2-12-8	97.50
2-16-2	17.583
2¼-10-4	115.25
2½-20-5	73.
3-6-6	167.
3-7-5	97.40
3-7-7	636.60
3-8-2	120.
3-8-3	2392.35
3-8-4	682.50
3-8-5	653.1
3-8-6	33.80
3-8-7	341.
3-9-2	218.
3-9-3	15.80
3-9-5	31.80
3-10-6	10.
3-12-3	568.30
3½-5¼-4	12.50
4-5-1	7.50
4-6-5	286.
4-7-1	27.
4-7-4	20.60
4-8-3	106.25
4-8-4	4800.383
4-8-5	926.60
4-8-6	626.499
4-8-7	323.50
4-9-3	13.90
5-6-5	928.25
5-6-6	508.50
5-6-7	53.

Tonnage Report of the Various Grades of Fertilizers Used in Maryland in 1923

Guaranteed	Tons	Guaranteed	Tons
5-7-5	1820.90	0-12-6	951.75
5-8-2	.30	0-12-10	24.
5-8-3	20.10	0-14-5	207.50
5-8-4	5.	0-0-5	115.32
5-8-5	4268.867	6-0-0	124.2
5-8-7	79.	Lime Phos.-13	1708.384
5-10-2	15.	Acid Phos.-12	141.
6-6-8	66.50	Acid Phos.-14	254.
6-8-8	226.	Acid Phos.-16	23648.371
7-6-1	1.30	Acid Phos.-18	.25
7-6-5	9083.849	Acid Phos.-20	1.
7-8-1	1.50	Kainit	3427.67
8-2-1	6.	Sulphate of Potash	91.95
8-4-2	6.	Muriate	636.288
10-5-2	130.583	Manure Salt	108.50
1-10-0	253.50	Nitrate of Soda	719.718
1¼-10-0	.50	Sul. of Ammonia	1056.23
1½-10-0	24.80	Fish	168.74
1½-14-0	121.	Tankage	200.15
2-10-0	3.	Humus	.40
3-8-0	22.25	Sheep Manure	125.90
4-10-0	6.	Blood	2.
5-6-0	6.	Bone	1352.924
5-8-0	332.	Mixed to Order	5621.222
5-12-0	5.	Nitrapo, 18-0-10	.15
7-8-0	17.	Peruvian Guano, 12-10-2½	14.50
10-3-0	11.	Micro-Organism	.1
10-4-0	209.838	13.15-5.26-0	7.236
10-5-0	132.80	1.46-11.68-5.84	19.693
0-4-7	56.	2.89-11.59-2.89	34.355
0-7-3	40.	2.54-12.73-2.54	45.137
0-8-2	63.	2.26-11.30-4.51	.443
0-8-5	284.	2.61-10.45-6.53	17.762
0-8-7	93.	2.12-12.76-2.12	7.05
0-9-4	250.	3.94-10.52-3.94	21.966
0-10-2	953.306	4.70-9.41-4.70	1.105
0-10-4	752.80	5.49-8.79-5.49	32.487
0-10-5	1717.674	8-6.85-5.70	45.639
0-12-2	9.30	0-13.60-5.43	2.205
0-12-3	145.833	2.63-13.15-0	4.484
0-12-4	127.75	8.80-7.54-6.28	20.219
0-12-5	10817.033	TOTAL TONNAGE	155,168,096

Values for Spring of 1924

Since the analysis in our laboratory gives the percentage or pounds per hundred, it is only necessary to multiply the price per pound by 20 in order to get the value of one per cent for one ton of fertilizer. This is designated in the following table as the value per unit. A unit is one per cent of one ton, or twenty pounds.

Table for Calculating Fertilizer Values

	Per Unit
(1) Nitrogen calculated as Ammonia	$3.50
(2) Available Phosphoric Acid:	
(a) In mixed fertilizers or in dissolved rock	.60
(b) In tankage or ground bone	.50
(3) Insoluble Phosphoric Acid.	.15
(4) Potash	.70

VALUES

In order to compare values of fertilizers multiply the percentage of each plant food in the fertilizer by the respective value per unit given in the table and add the results together: For example, in the case of a complete fertilizer with an analysis of 4-8-5, we would have 4 per cent of ammonia, 8 per cent of phosphoric acid and 5 per cent of potash. Since, by the above table, ammonia is worth $3.50 per unit, available phosphoric acid $.60, and potash $.70, we have $22.30.

4 x $3.50	= $14.00	value of ammonia in 1 ton.
8 x 0.60	= 4.80	value of phosphoric acid in 1 ton.
5 x 0.70	= 3.50	value of potash in 1 ton.
	$22.30	value of fertilizer in 1 ton.

Explanation of Tables and Values

The results of the analyses of fertilizer samples collected from January, 1924, to July, 1924, are presented in the tables which follow. The amounts of the respective constituents present, as determined in our laboratories, are stated in the columns headed, "Found"; the amounts guaranteed by the manufacturers are stated in the columns headed, "Guaranteed."

Unfortunately, the "Value per ton Found" and the "Value per ton Guaranteed," which the State Fertilizer Law requires shall be published in conjunction with each analysis, appear to be the source of some misunderstanding among the readers of the Bulletin. Let us state definitely at the outset that, while these figures are based upon actual commercial values, they distinctly do not represent retail selling prices.

The question, then, naturally, arises: Just what do these values signify, and what purpose are they intended to serve?

The first query may be most satisfactorily answered by an explanation of the manner in which one arrives at these values. Let us suppose that we are to calculate the value of one unit (20 pounds) of ammonia. We consult the monthly market quotations and compute the season's average wholesale prices on the various raw materials commonly used as sources of ammonia in the fertilizer industry. Nitrate of soda contains approximately 18 units of nitrogen (calculated as ammonia) per ton, therefore, we divide the price per ton by 18 and obtain as a result the average wholesale price of one unit of ammonia from this source. Sulfate of ammonia contains 25 units of ammonia per ton; hence, we divide the ton price quoted by 25 and obtain the average wholesale price of one unit of ammonia from sulfate. When we have thus considered all the important sources of fertilizer ammonia we calculate the average wholesale price per unit of ammonia from the various sources. For the present season, this gives us a value of $3.50 for each unit or per cent of ammonia.

Arguments have been advanced to the effect that comparitive values afford means for a somewhat more accurate comparison between commercial value found and commercial value guaranteed

than does a casual glance at the analysis. Let us consider the hypothetical case of two samples of 4-8-5, one of which shows a deficiency of ½% in ammonia, and the other a deficiency of ½% in potash. Each is guaranteed to contain 17 units of plant food, and each actually contains 16½ units, yet the purchaser of the former has been defrauded to a greater extent than has the purchaser of the latter, for ammonia is considerably more expensive than potash. Our report would make that fact immediately apparent:

	Value per ton Guaranteed:	Value per ton Found:
No. 1	$22.30	$20.55=½% low in ammonia
No. 2	$22.30	$21.95=½% low in potash

It is a mistake to assume that an overage in one constituent can be considered as compensating a grower for a deficiency in the amount of another constituent, which he had counted on obtaining to fulfill the particular needs of his crop and soil, even though he actually receives commercial value as great or greater than that for which he paid.

Let us, however, specifically emphasize the fact that our comparative values do not under any circumstance represent the retail selling price of any particular brand of goods at any particular place, since they do not include:

1. The cost of mixing
2. The cost of the bags
3. Freight charges
4. Taxes
5. Bad accounts
6. The expenses of the office and salesmen
7. A fair return upon the money invested.

TABLES

The following pages contain a detailed report of the results obtained in the inspection of fertilizers from January 1 to July 1, 1924.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	American Agri. Chem. Co., Baltim	**ore, Md.**												
47108	Acid Phosphate 16%	Baltimore	-----	-----	-----	-----	.45	------	16.05	16.00	-----	-----	$9.70	$9.60
47020	Acid Phosphate 16%	Baltimore	-----	-----	-----	-----	.50	------	16.40	16.00	-----	-----	9.92	9.60
47019	Acid Phosphate 16%	Baltimore	-----	-----	-----	-----	.85	------	16.15	16.00	-----	-----	9.82	9.60
47201	Agrico Fert. for Grain, 2-12-4	Baltimore	1.60	1.03	1.98	2.00	1.28	------	10.82	12.00	4.10	4.00	16.48	17.00
47289	Basic Lime Phosphate	Baltimore	-----	-----	-----	-----	2.70	1.00	13.00	13.00	-----	-----	8.21	7.95
47078	Basic Lime Phosphate	Baltimore	-----	-----	-----	-----	1.75	1.00	12.95	13.00	-----	-----	8.03	7.80
45455	Dissolved Animal Bone	Preston	1.84	1.28	2.49	2.50	2.15	------	12.25	12.00	-----	-----	16.39	15.95
47109	Early Truck Grower, 5-7-5	Baltimore	4.19	2.92	4.86	5.00	.63	------	7.27	7.00	5.04	5.00	24.99	25.20
45485	Early Truck Grower, 5-7-5	Baltimore	4.16	2.92	4.86	5.00	.65	------	7.05	7.00	5.08	5.00	24.90	25.20
47058	Early Truck Grower, 5-7-5	Baltimore	4.27	2.92	5.00	5.00	.70	------	7.40	7.00	5.20	5.00	25.69	25.20
47188	Fine Ground Bone	Upper Marlboro	-----	-----	2.90	3.00	-----	------	*22.90	*22.88	-----	-----	21.60	21.94
47079	Fish Mixture for Sweet Potatoes	Baltimore	2.34	-----	2.83	3.00	.90	------	8.30	8.00	7.48	8.00	20.26	20.90
47386	Great Crop Fish Fertilizer, 4-8-4	Baltimore	3.45	2.13	4.01	4.00	1.33	------	7.62	8.00	4.40	4.00	21.88	21.60
47110	Great Crop Fish Fertilizer, 4-8-4	Baltimore	3.27	2.13	3.87	4.00	.30	------	8.70	8.00	4.00	4.00	21.62	21.60
47023	Great Crop Fish Fertilizer, 4-8-4	Baltimore	3.25	2.13	3.78	4.00	.75	------	8.15	8.00	4.36	4.00	21.28	21.60
47419	Great Crop Fish Fertilizer, 4-8-4	Baltimore	3.19	2.13	3.70	4.00	1.53	------	7.27	8.00	4.00	4.00	20.34	21.60
47202	Great Crop Grower, 0-8-5	Baltimore	-----	-----	-----	-----	.60	------	8.00	8.00	5.36	5.00	8.64	8.30
47189	Ground Tankage	Upper Marlboro	-----	-----	5.75	6.00	-----	------	*15.90	*13.73	-----	-----	28.08	27.87
47267	H. G. Potash Compound, 2-8-10	Baltimore	1.84	1.03	2.18	2.00	.70	------	8.00	8.00	10.70	10.00	20.03	18.80
47237	H. G. Potash Compound, 2-8-10	Baltimore	1.45	1.03	1.79	2.00	.85	------	8.05	8.00	10.32	10.00	18.45	18.80
47000	H. G. Potash Compound, 2-8-10	Baltimore	1.57	1.03	2.00	2.00	1.00	------	8.20	8.00	10.36	10.00	19.32	18.80
45465	H. G. Potash Compound, 2-8-10	Baltimore	1.45	1.03	2.00	2.00	1.00	------	8.30	8.00	10.08	10.00	19.19	18.80
47059	Kainit	Baltimore	-----	-----	-----	-----	------	------	------	------	12.96	12.40	-----	-----
47017	Kainit	Baltimore	-----	-----	-----	-----	------	------	------	------	12.40	12.40	-----	-----
45454	Muriate of Potash	Preston	-----	-----	-----	-----	------	------	------	------	50.40	48.00	-----	-----
47018	Nitrate of Soda	Baltimore	-----	-----	18.27	18.23	------	------	------	------	-----	-----	-----	-----
47203	Pathfinder, 1-9-3	Baltimore	.71	.43	1.02	1.00	1.03	------	9.02	9.00	3.24	3.00	11.40	11.00

47080	Peerless Veg. and Grain Gro., 2-8-5	Baltimore	1.57	1.03	2.00	2.00	.95		8.05	8.00	5.00	5.00	15.48	15.30
47022	Peerless Veg. and Grain Gro., 2-8-5	Baltimore	1.61	1.03	2.00	2.00	.90		8.10	8.00	4.66	5.00	15.26	15.30
47190	Pure Bone Meal	Upper Marlboro			4.52	4.50			*21.75	*21.51			26.70	26.51
47048	Red Dragon Guano	Baltimore	1.71	1.03	2.05	2.00	1.20		11.95	12.00	2.16	2.00	16.04	15.60
47292	Red Rooster Guano, 2–12–4	Baltimore	1.63	1.03	2.01	2.00	.85		11.95	12.00	4.48	4.00	17.48	17.00
47238	Rival Fish Compound	Baltimore	2.59	1.03	3.05	2.00	1.20		8.00	8.00	3.84	4.00	18.35	14.60
47420	Rival Fish Compound	Baltimore	1.56	1.03	2.00	2.00	1.15		7.90	8.00	4.40	4.00	14.99	14.60
47324	Special Manure	Baltimore	.70	.43	1.04	1.00	1.28		8.47	8.00	1.32	1.00	9.83	9.00
47081	Special Manure	Baltimore	.70	.43	1.04	1.00	.70		8.10	8.00	1.08	1.00	9.37	9.00
47191	Sulphate of Potash	Upper Marlboro									50.40	50.00		
47239	Sweepstakes Tobacco Fert., 3-8-3	Baltimore	2.54	1.52	3.09	3.00	1.05		8.25	8.00	3.00	3.00	18.03	17.40
47156	Sweepstakes Tobacco Fert., 3-8-3	Baltimore	1.93	1.52	2.99	3.00	1.00		8.00	8.00	3.00	3.00	17.52	17.40
47060	Detrick's Gold Basis, 7–6–5	Baltimore	5.89	4.13	7.03	7.00	1.15		6.45	6.00	5.00	5.00	32.15	31.60
45488	Detrick's Gold Basis, 7-6-5	Baltimore	5.90	4.13	7.06	7.00	.80		6.00	6.00	5.08	5.00	31.99	31.60
45461	Detrick's Gold Basis, 7-6-5	Baltimore	6.10	4.13	7.00	7.00	.95		6.05	6.00	5.28	5.00	31.97	31.60
47268	Detrick's Gold Eagle, 3-6-6	Baltimore	2.30	1.52	2.81	3.00	.80		6.30	6.00	5.66	6.00	17.70	18.30
47193	Detrick's Gold Eagle, 3–6–6	Waldorf	2.68		3.19	3.00	1.30		6.00	6.00	5.62	6.00	18.90	18.30
47387	Detrick's Kangaroo Komplete Kom.	Baltimore	1.54	1.03	2.00	2.00	1.10		8.00	8.00	4.04	3.00	14.80	13.90
47269	Detrick's Kangaroo Komplete Kom.	Baltimore	1.59	1.03	2.00	2.00	1.05		8.15	8.00	3.04	3.00	14.18	13.90
47388	Detrick's Quickstep Fertilizer	Baltimore	2.41	1.52	2.85	3.00	1.18		8.27	8.00	3.62	4.00	17.64	18.10
47021	Detrick's Special Trucker, 5–7–5	Baltimore	4.17	2.92	4.89	5.00	.80		7.10	7.00	5.20	5.00	25.14	25.20
45489	Detrick's Special Trucker, 5–7–5	Baltimore	3.96	2.92	4.61	5.00	1.05		6.60	7.00	5.04	5.00	23.79	25.20
47049	Detrick's Special Trucker, 5–7–5	Baltimore	3.95	2.92	4.70	5.00	.80		7.00	7.00	5.24	5.00	24.44	25.20
47389	Lazaretto Farm. Ch. Brand, 1-8-2	Baltimore	.68	.43	1.11	1.00	1.10		8.30	8.00	2.32	2.00	10.66	9.70
47270	Lazaretto Red Dog Guano, 2-8-4	Baltimore	1.57	1.03	2.00	2.00	.95		8.05	8.00	3.74	4.00	14.59	14.60
47001	Lazaretto Red Dog Guano, 2-8-4	Baltimore	1.81	1.03	2.03	2.00	.95		7.95	8.00	3.69	4.00	14.60	14.60
47421	Lazaretto Red Dog Guano, 2-8-4	Baltimore	1.54	1.03	2.00	2.00	1.20		8.00	8.00	4.05	4.00	14.82	14.60
47240	Lister's Big Four Fert., 2-8-5	Baltimore	1.77	1.03	2.18	2.00	1.05		8.55	8.00	4.36	5.00	15.87	15.30
45457	Lister's Big Four Fert., 2-8-5	Preston	1.84	1.03	2.18	2.00	.70		8.20	8.00	4.52	5.00	15.82	15.30
47328	Lister's Br. Leaf Tobacco Guano	Baltimore	2.49	1.52	2.92	3.00	.90		8.30	8.00	3.24	3.00	17.61	17.40
47326	Lister's Br. Leaf Tobacco Guano	Baltimore	2.54	1.52	3.00	3.00	.80		8.30	8.00	3.16	3.00	17.81	17.40
47391	Lister's Crop Grower, 2-8-4	Baltimore	1.52	1.03	1.91	2.00	.80		8.80	8.00	3.68	4.00	14.66	14.60
47423	Lister's Crop Grower, 2-8-4	Baltimore	1.45	1.03	1.98	2.00	1.18		7.72	8.00	4.88	4.00	15.16	14.60
47329	Lister's Crop Grower, 2-8-4	Baltimore	1.62	1.03	2.05	2.00	1.05		8.25	8.00	3.70	4.00	14.88	14.60
47327	Lister's Fish Brand Fert., 1-9-2	Baltimore	.78	.43	1.09	1.00	1.20		8.70	9.00	2.12	2.00	10.70	10.30
47293	Lister's Harv. Queen Phosphate	Baltimore	.72	.43	1.11	1.00	1.08		8.87	9.00	3.26	3.00	11.65	11.00
45456	Lister's Harv. Queen Phosphate	Preston	.70	.43	1.16	1.00	.50		9.70	9.00	3.12	3.00	12.14	11.00
47002	Lister's Harv. Queen Phosphate	Baltimore	.62	.43	1.01	1.00	1.15		9.05	9.00	3.24	3.00	11.41	11.00
47294	Lister's Special Truck Fert., 4-8-4	Baltimore	3.34	2.13	3.87	4.00	.85		8.35	8.00	4.00	4.00	21.49	21.60
47241	Lister's Success Fertilizer, 2-8-2	Baltimore	1.69	1.03	2.12	2.00	.83		7.72	8.00	2.12	2.00	13.65	13.20

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	American Agri. Chem. Co., Balto., Md., Cont.													
47242	Lister's 10% Potash Fert., 2-8-10	Baltimore	1.66	1.03	2.00	2.00	.85	------	8.15	8.00	10.24	10.00	$19.19	$18.80
47330	Patapsco Acid Phosphate, H. G.	Baltimore	-----	-----	-----	-----	.90	------	16.00	16.00	-----	-----	9.74	9.60
47295	Patapsco Acid Phosphate, H. G.	Baltimore	-----	-----	-----	-----	1.00	------	16.00	16.00	-----	-----	9.75	9.60
47243	Patapsco Acid Phosphate, H. G.	Baltimore	-----	-----	-----	-----	.95	------	16.10	16.00	-----	-----	9.80	9.60
47204	Patapsco Acid Phosphate, H. G.	Baltimore	-----	-----	-----	-----	.85	------	16.05	16.00	-----	-----	9.76	9.60
47244	Patapsco Complete Manure, 3-8-4	Baltimore	2.65	1.52	3.04	3.00	1.05	------	7.95	8.00	3.82	4.00	18.24	18.10
47245	Patapsco Coon Guano, 1-9-2	Baltimore	.73	.43	1.14	1.00	1.30	------	9.20	9.00	3.36	2.00	12.06	10.30
47038	Patapsco Coon Guano, 1-9-2	Baltimore	.70	.43	1.11	1.00	1.18	------	8.92	9.00	2.40	2.00	11.10	10.30
45466	Patapsco Gar. and Trk. Fert., 4-8-4.	Baltimore	3.35	2.13	4.03	4.00	1.00	------	8.20	8.00	3.82	4.00	21.85	21.60
47331	Patapsco Planters Favorite, 2-8-2.	Baltimore	1.41	1.03	1.84	2.00	.95	------	8.25	8.00	2.12	2.00	13.01	13.20
47083	Patapsco Planters Favorite, 2-8-2.	Baltimore	1.45	1.03	2.00	2.00	1.35	------	7.80	8.00	2.20	2.00	13.42	13.20
47296	Patapsco Phospho Potash, 0-12-5	Baltimore	-----	-----	-----	-----	1.35	------	12.25	12.00	5.32	5.00	11.27	10.70
47246	Patapsco Wheat Special, 2-12-4	Baltimore	1.42	-----	1.78	2.00	.85	------	10.95	12.00	3.58	4.00	15.44	17.00
47297	Pollock's Acid Phosphate 16	Baltimore	-----	-----	-----	-----	.95	------	16.05	16.00	-----	-----	9.77	9.60
47247	Pollock's Cn., Wht. and Tom., 1-8-1	Baltimore	.65	.43	1.13	1.00	1.05	------	8.25	8.00	1.60	1.00	10.19	9.00
47298	Pollock's Standard, 2-8-4	Baltimore	1.48	1.03	1.80	2.00	1.10	------	8.10	8.00	4.08	4.00	14.19	14.60
47392	Pollock's Standard, 2-8-4	Baltimore	.70	1.03	1.98	2.00	1.03	------	7.87	8.00	4.00	4.00	14.60	14.60
45451	Slingluff's 10% Tob. Bed Fert.	Baltimore	8.75	6.08	9.76	10.00	.50	------	5.00	5.00	2.28	2.00	38.84	39.40
47325	Turner and Sons Cn and To Guano	Baltimore	.61	.43	.99	1.00	1.05	------	8.35	8.00	2.12	2.00	10.12	9.70
47424	Turner and Sons Cn and To Guano	Baltimore	.77	.43	1.16	1.00	1.10	------	8.20	8.00	2.08	2.00	10.61	9.70
47299	Wooldridge's Acid Phos., H. G.	Baltimore	-----	-----	-----	-----	1.43	------	16.02	16.00	-----	-----	9.82	9.60
45458	Wooldridge's Acid Phos., H. G.	Preston	-----	-----	-----	-----	1.66	------	16.14	16.00	-----	-----	9.93	9.60
47300	Wooldridges' Champion Stag Phos.	Baltimore	.77	.43	1.11	1.00	1.18	------	8.67	9.00	2.00	2.00	10.67	10.30
47425	Wooldridge's Champion Stag Phos.	Baltimore	.70	.43	1.19	1.00	1.48	------	8.27	9.00	2.88	2.00	11.37	10.30
45467	Wooldridge's Gold Cr. Trk. Phos.	Baltimore	5.71	4.13	6.75	7.00	.90	------	6.00	6.00	5.12	5.00	30.95	31.60
47301	Wooldridge's No. 2 Fish Mixture	Baltimore	1.58	1.03	2.01	2.00	.95	------	8.50	8.00	2.04	2.00	13.71	13.20
47084	Wooldridge's Sovereign Trucker	Baltimore	4.21	2.92	4.86	5.00	.65	------	7.35	7.00	5.20	5.00	25.16	25.20

45490	Wooldridge's Sovereign Trucker	Baltimore	4.15	2.92	4.85	5.00	.60		7.40	7.00	5.08	5.00	25.07	25.20
47379	Wooldridge's Triumph Brand Phos.	Baltimore	1.62	1.03	2.00	2.00	1.45		7.60	8.00	3.00	3.00	13.88	13.90
47426	Wooldridge's Triumph Brand Phos.	Baltimore	1.57	1.03	2.01	2.00	1.35		7.60	8.00	3.20	3.00	14.04	13.90
47195	Zell's Economizer Phosphate	Waldorf	.92	.43	1.30	1.00	1.10		8.10	8.00	2.24	2.00	11.15	9.70
	Amer. Fertilizing Co., Balto., Md.													
47332	Acid Phosphate, H. G.	Baltimore					1.00		16.00	16.00			9.75	9.60
47061	Acid Phosphate, H. G.	Baltimore					1.10		16.10	16.00			9.83	9.60
47003	Acid Phosphate, H. G.	Baltimore					1.60		16.00	16.00			9.84	9.60
45468	Best Potato Formula	Baltimore	3.64	2.00	4.03	4.00	.60		8.00	8.00	6.40	6.00	23.48	23.00
47053	Best Potato Formula	Baltimore	3.80	2.00	4.18	4.00	.40		8.00	8.00	6.00	6.00	23.69	23.00
47158	Best Potato Formula	Baltimore	3.42	3.89	3.81	4.00	.60		8.40	8.00	6.16	6.00	22.78	23.00
47159	Double Ex. Phosphate and Potash.	Baltimore					.15		12.45	12.00	5.72	5.00	11.50	10.70
47024	Eagle Crop Grower	Baltimore	1.75	.78	2.01	2.00	.70		8.30	8.00	2.36	2.00	13.78	13.20
47039	Eastern Shore Potato Special	Baltimore	6.44	4.20	6.70	7.00	.60		6.20	6.00	5.08	5.00	30.82	31.60
47004	Eastern Shore Potato Special	Baltimore	5.94	3.45	6.21	7.00	.65		7.00	6.00	5.36	5.00	30.77	31.60
45469	Eastern Shore Potato Special	Baltimore	5.99	4.20	6.42	7.00	.75		6.75	6.00	5.36	5.00	30.38	31.60
47248	Excelsior Guano	Baltimore	1.83	.78	2.00	2.00	.40		8.90	8.00	5.00	5.00	15.90	15.30
47062	Excelsior Guano	Baltimore	1.82	.78	2.18	2.00	.85		8.20	8.00	5.68	5.00	16.66	15.30
47054	Fish and Bone Compound	Baltimore	1.78	.78	2.12	2.00	.80		8.30	8.00	3.00	3.00	14.62	13.90
47334	4–8–4 Fertilizer	Baltimore	3.47	2.00	3.81	4.00	.90		8.20	8.00	4.32	4.00	21.42	21.60
47335	4–8–4 Fertilizer	Baltimore	3.58	2.00	3.82	4.00	.55		8.55	8.00	4.40	4.00	21.66	21.60
47112	4–8–4 Fertilizer	Baltimore	3.55	2.00	4.01	4.00	.83		7.82	8.00	4.36	4.00	21.90	21.60
47063	4–8–4 Fertilizer	Baltimore	3.80	2.00	4.18	4.00	.40		8.20	8.00	4.36	4.00	22.66	21.60
47249	Golden Harvest	Baltimore	2.89	1.52	3.11	3.00	1.15		7.60	8.00	8.08	8.00	21.28	20.90
47113	Grain and Grass Grower	Baltimore	.78	.49	1.02	1.00	1.40		9.25	9.00	3.08	3.00	11.49	11.00
47040	Prize Guano	Baltimore	1.77	.78	2.03	2.00	1.00		8.00	8.00	10.24	10.00	19.23	18.80
47250	Truckers Special	Baltimore	4.53	2.92	4.82	5.00	.75		8.15	8.00	5.08	5.00	25.43	25.80
47064	Truckers Special	Baltimore	4.62	2.98	5.00	5.00	1.20		8.20	8.00	5.16	5.00	26.21	25.80
	Armour Fert. Wks., Baltimore, Md.													
47336	Big Crop Acid Phosphate	Baltimore					.85		16.45	16.00			10.00	9.60
47050	Big Crop Acid Phosphate	Baltimore					.60		16.45	16.00			9.96	9.60
47005	Big Crop Acid Phosphate	Baltimore					.90		16.00	16.00			9.74	9.60
47006	Big Crop Bone Meal	Baltimore			3.22	3.00			*24.20	*22.00			23.37	21.50
47089	Big Crop, 5-8-5	Baltimore	3.53	2.50	4.84	5.00	.90		8.10	8.00	5.00	5.00	25.44	25.80
47025	Big Crop, 5-8-5	Baltimore	3.42	2.50	4.61	5.00	.90		7.90	8.00	4.80	5.00	24.30	25.80
47065	Big Crop, 4-8-4	Baltimore	3.00	2.00	4.01	4.00	.75		8.15	8.00	4.04	4.00	21.87	21.60
47427	Big Crop, 4-8-4	Baltimore	2.28	2.00	3.54	4.00	1.00		8.40	8.00	3.78	4.00	20.23	21.60
47251	Big Crop, 4-8-4	Baltimore	2.89	2.00	3.81	4.00	1.15		8.05	8.00	3.60	4.00	20.86	21.60
47114	Big Crop, 7-6-5	Baltimore	5.12	3.50	6.57	7.00	1.00		6.00	6.00	5.00	5.00	30.25	31.60
47026	Big Crop, 7-6-5	Baltimore	5.04	3.50	6.51	7.00	.75		6.45	6.00	5.00	5.00	30.27	31.60

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	Armour Fert., Wks., Balto., Md.	**Cont.**												
47302	Big Crop, 3-8-3	Baltimore	1.95	1.50	2.80	3.00	1.10	------	8.00	8.00	3.08	3.00	$16.93	$17.40
47161	Big Crop, 3-8-3	Baltimore	.69	1.50	2.77	3.00	.80	------	8.60	8.00	3.32	3.00	17.30	17.40
47027	Big Crop, 3-8-3	Baltimore	2.22	1.50	3.04	3.00	.90	------	7.90	8.00	3.12	3.00	17.70	17.40
47350	Big Crop, 3-8-5	Mt. Lake Park	1.73	1.50	2.60	3.00	1.05	------	9.05	8.00	5.00	5.00	18.19	18.80
47008	Big Crop, 7-6-5	Baltimore	5.02	3.50	6.45	7.00	1.05	------	6.35	6.00	5.00	5.00	30.05	31.60
45450	Big Crop, 10-5-2	Baltimore	8.33	5.00	9.61	10.00	.55	------	5.25	5.00	2.40	2.00	38.55	39.40
47271	Big Crop, 2-8-5	Baltimore	1.21	____	2.03	2.00	.95	------	8.45	8.00	4.54	5.00	15.50	15.30
47205	Big Crop, 2-8-5	Rising Sun	1.38	1.00	2.01	2.00	.95	------	8.15	8.00	5.00	5.00	15.57	15.30
47206	Big Crop, 2-8-10	Rising Sun	1.31	1.00	2.01	2.00	1.05	------	8.00	8.00	10.08	10.00	19.06	18.80
47090	Big Crop, 2-12-4	Baltimore	1.34	1.00	2.01	2.00	.60	------	12.00	12.00	4.40	4.00	17.41	17.00
47272	Big Crop, 0-12-5	Baltimore	-----	-----	-----	-----	.70	------	12.40	12.00	5.20	5.00	11.19	10.70
47007	Big Crop Muriate of Potash	Baltimore	-----	-----	-----	-----	------	------	------	50.30	48.00	-----	-----	-----
47115	Big Crop Nitrate of Soda	Baltimore	-----	-----	18.06	18.00	------	------	*21.70	*21.50	-----	-----	28.21	26.50
45491	Big Crop Raw Bone Meal	Baltimore	-----	-----	4.96	4.50	------	------	8.95	9.00	3.00	3.00	11.43	11.00
47303	Farmers Choice	Baltimore	.32	.50	1.09	1.00	.95	------	9.10	9.00	3.36	3.00	11.70	11.00
47162	Farmers Choice	Baltimore	.36	.50	1.08	1.00	.70	------	9.20	8.00	3.04	3.00	15.99	15.65
47163	Gold Medal for Tobacco	Baltimore	1.87	____	2.35	2.50	.70	------	8.20	8.00	2.40	2.00	14.32	13.20
47304	Grain Grower	Baltimore	1.25	1.00	2.17	2.00	.80	------	------	------	14.16	12.00	-----	-----
47051	Kainit	Baltimore	-----	-----	-----	-----	1.73	------	11.37	13.00	-----	-----	7.08	7.80
47428	Lime Phosphate	Baltimore	-----	-----	-----	-----	.55	------	7.80	8.00	4.20	4.00	11.86	11.10
47052	Royal Ammoniated	Baltimore	.49	.50	1.19	1.00	.05	------	1.05	1.00	2.56	2.50	7.68	7.35
47091	Sheep Manure	Baltimore	-----	-----	1.50	1.50	.80	------	8.20	8.00	3.04	3.00	17.22	17.40
47252	Tobacco Special	Baltimore	1.78	1.50	2.87	3.00	------	------	------	------	12.32	12.40	-----	-----
	Associated Chem. Co., Balto., Md.													
47085	Kainit	Baltimore	-----	-----	-----	-----	------	------	------	------	14.24	12.40	-----	-----
47086	Kainit	Baltimore	-----	-----	-----	-----	------	------	------	------	54.10	50.00	-----	-----
47087	Muriate of Potash	Baltimore	-----	-----	-----	-----	------	------	------	------				

47088	Nitrate of Soda	Baltimore			18.20	18.20										
	Baltimore Fert. Co., Balto, Md.															
47196	Honest Acid Phosphate 16%	La Plata					1.20		16.20	16.00			9.90	9.60		
47208	Honest Ammoniated Bone	Bel Air	.68	1.00	1.52	2.00	1.40		8.05	8.00	3.12	2.00	12.54	13.20		
47009	Honest Ammoniated Bone	Baltimore	1.67	.48	2.37	2.00	1.10		8.50	8.00	4.40	2.00	16.55	13.20		
47197	Honest, 1-9-3	La Plata	.62	.62	1.01	1.00	.75		8.70	9.00	3.20	3.00	11.11	11.00		
47209	Honest, 1-9-3	Bel Air	.77	.49	1.13	1.00	1.10		8.90	9.00	3.70	3.00	12.06	11.00		
45452	Honest 10% Tobacco Bed Mixture	Baltimore	8.30	5.00	10.07	10.00	1.85		4.95	4.00			38.50	37.40		
47210	Honest Trucker, 5-6-5	Baltimore	3.07	2.49	3.55	5.00	1.20		10.65	6.00	5.28	5.00	22.70	24.60		
47211	Honest, 2-8-4	Bel Air	1.22	1.00	2.38	2.00	1.50		8.40	8.00	4.88	4.00	17.02	14.60		
47412	Honest, 2-8-4	Baltimore	1.59	1.00	2.00	2.00	.85		8.05	8.00	4.12	4.00	14.84	14.60		
47212	Honest, 2-8-10	Bel Air	.95		2.08	2.00	1.10		9.00	8.00	9.40	10.00	19.43	18.80		
47198	Old Honesty, ½-8-2	La Plata	.55		.99	.50	.60		8.00	8.00	2.68	2.00	10.24	7.95		
	Baltimore Pulverizing Co., Balto., Md.															
45471	Acid Phosphate 16%	Baltimore					.35		16.35	16.00			9.86	9.60		
47028	Acme Early Trucker	Baltimore	4.23		5.15	5.00	.60		7.95	7.00	3.36	3.00	25.24	23.80		
47010	Climax Guano	Baltimore	3.13		3.81	4.00	.70		8.60	8.00	5.32	5.00	22.33	22.30		
47117	Climax Guano	Baltimore	3.50		3.98	4.00	.60		8.40	8.00	6.98	5.00	23.95	22.30		
47116	Harvest King	Baltimore	.70	.50	1.19	1.00	.90		9.90	10.00	2.60	2.00	12.07	10.90		
45472	Kainit	Baltimore									14.64	12.40				
47012	Royal Compound	Baltimore	1.66		2.15	2.00	.75		7.95	8.00	2.76	2.00	14.34	13.20		
45460	Special Strawberry Compound	Baltimore	3.00		3.77	4.00	1.55		7.25	7.00	1.72	1.00	18.98	18.90		
47118	Special Strawberry Compound	Baltimore	4.20	3.00	4.87	4.00	.55		7.15	7.00	1.98	1.00	22.81	18.90		
47013	Truckers Choice	Baltimore	2.13		2.85	3.00	.80		8.65	8.00	2.74	2.00	17.21	16.70		
	Baugh and Sons Co., Balto., Md.															
47055	Acid Phosphate 16%	Baltimore					.30		16.50	16.00			9.95	9.60		
45473	Acid Phosphate 16%	Baltimore					.75		15.95	16.00			9.68	9.60		
47337	Acid Phosphate 14%	Baltimore					.75		16.35	14.00			9.92	8.40		
47273	Acid Phosphate 14%	Baltimore					.65		15.25	14.00			9.25	8.40		
47214	Animal Base and Potash	Rising Sun	1.59	.91	2.20	2.00	1.00		8.00	8.00	2.08	2.00	14.11	13.20		
47014	Bone Meal	Baltimore			3.04	3.00			*21.70	*23.00			21.49	22.00		
47305	Commercial Super Phosphate	Baltimore	1.55	.90	1.98	2.00	.65		8.15	8.00	10.04	10.00	18.95	18.80		
47429	Commercial Super Phosphate	Baltimore	1.45	.91	2.05	2.00	1.10		7.80	8.00	10.88	10.00	19.65	18.80		
47056	Commercial Super Phosphate	Baltimore	1.42	.93	2.00	2.00	.85		8.15	8.00	9.28	10.00	18.54	18.80		
47119	Complete Animal Base Fertilizer	Baltimore	1.42	.91	2.03	2.00	1.00		8.30	8.00	5.28	5.00	15.94	15.30		
47274	Corn and Oats Fertilizer	Baltimore	1.47		2.03	2.00	.80		11.05	12.00	4.28	2.00	16.86	15.60		
47275	Excelsior Guano	Baltimore	.62	.60	1.06	1.00	.60		8.00	8.00	4.36	4.00	11.65	11.10		
47015	Fish, Bone and Potash	Baltimore	3.60	2.43	4.08	4.00	.60		8.00	8.00	4.20	4.00	22.11	21.60		
45474	Fish, Bone and Potash	Baltimore	3.47	2.43	4.03	4.00	.70		8.00	8.00	4.08	4.00	21.88	21.60		
47164	Fish Mixture	Baltimore	1.14	.91	2.10	2.00	1.05		8.55	8.00	2.04	2.00	14.07	13.20		

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	Baugh and Sons Co., Balto., Md.	**Cont.**												
47430	Fish Mixture	Baltimore	1.54	.91	2.10	2.00	1.15	-----	7.75	8.00	2.04	2.00	$13.60	$13.20
47121	Fish Mixture	Baltimore	1.45	.91	2.15	2.00	1.05	-----	8.55	8.00	2.08	2.00	14.28	13.20
47431	Fish Mixture	Baltimore	1.40	.91	2.00	2.00	1.15	-----	7.95	8.00	2.40	2.00	13.62	13.20
47306	General Crop Grower	Baltimore	.58	-----	1.09	1.00	.90	-----	8.10	8.00	1.24	1.00	9.69	9.00
47338	Genuine Imported Kainit	Baltimore	-----	-----	-----	-----	-----	-----	-----	-----	14.40	12.40	-----	-----
47432	Grand Rapid Guano	Baltimore	2.39	1.83	2.99	3.00	.98	-----	7.92	8.00	3.32	3.00	17.69	17.40
47307	Ground Tankage	Baltimore	-----	-----	11.45	10.00	-----	-----	*3.05	*5.00	-----	-----	41.61	37.50
47253	Kainit	Baltimore	-----	-----	-----	-----	-----	-----	-----	-----	14.00	12.40	-----	-----
47215	Kainit	Baltimore	-----	-----	-----	-----	-----	-----	-----	-----	12.40	12.40	-----	-----
47339	Lime and Phosphate	Baltimore	-----	-----	-----	-----	2.45	-----	13.50	13.00	-----	-----	8.47	7.80
47308	Muriate of Potash	Baltimore	-----	-----	-----	-----	-----	-----	-----	-----	52.70	48.00	-----	-----
45453	New Process 10% Guano	Baltimore	9.71	7.29	10.15	10.00	.40	-----	5.10	5.00	-----	-----	38.65	38.00
47199	Nitrate of Soda	Camp Springs	-----	-----	18.16	18.50	-----	-----	-----	-----	-----	-----	-----	-----
47041	Peruvian Guano Substitute	Baltimore	4.45	3.65	4.89	5.00	.65	-----	8.05	8.00	5.12	5.00	25.63	25.80
47200	Raw Bone Meal	Camp Springs	-----	-----	4.57	4.50	-----	-----	*20.55	*21.50	-----	-----	26.28	26.50
47165	Special Potato Manure	Baltimore	1.57	.91	1.84	2.00	.60	-----	8.00	8.00	5.16	5.00	14.94	15.30
47066	Special Potato Manure	Baltimore	1.66	.91	2.15	2.00	.45	-----	8.10	8.00	5.28	5.00	16.16	15.30
47433	Special Potato Manure	Baltimore	1.52	.91	2.00	2.00	1.15	-----	8.05	8.00	5.16	5.00	15.61	15.30
47057	Special Potato Manure	Baltimore	1.38	.93	1.98	2.00	.85	-----	8.30	8.00	5.08	5.00	15.59	15.30
47340	Special Tobacco Manure	Baltimore	3.51	2.43	3.99	4.00	.80	-----	8.00	8.00	4.78	4.00	22.24	21.60
47166	Special Tobacco Manure	Baltimore	3.33	2.43	3.84	4.00	.60	-----	8.60	8.00	4.08	4.00	21.55	21.60
45476	Special Tobacco Manure	Baltimore	3.57	2.43	4.15	4.00	.70	-----	8.00	8.00	4.24	4.00	22.41	21.60
47216	Sulphate of Ammonia	Baltimore	-----	-----	25.20	25.00	-----	-----	-----	-----	-----	-----	-----	-----
47394	Yucatan Tobacco Guano	Baltimore	2.22	1.83	3.04	3.00	.90	-----	7.70	8.00	3.36	3.00	17.75	17.40
47434	Yucatan Tobacco Guano	Baltimore	2.27	1.83	2.83	3.00	1.05	-----	7.85	8.00	3.00	3.00	16.88	17.40
	Braun Fertilizer Co., Balto., Md.													
47030	2–8–5	Baltimore	.67	-----	2.17	2.00	1.40	-----	8.40	8.00	5.32	5.00	16.56	15.30

	Bryant Fert. Co., Alexandria, Va.														
47031	Planters Pride	Baltimore	4.75	2.45	5.07	5.00	.60		8.50	8.00	5.20	5.00	26.58	25.80
47032	Regal Brand, 2-8-10	Baltimore	1.88	.78	2.08	2.00	1.00		8.00	8.00	10.08	10.00	19.29	18.80
	Central. Chem Co., Hagerstown, Md.														
47095	Gro All Canners Special	Baltimore	1.36		1.94	2.00	.75		8.00	8.00	5.20	5.00	15.34	15.30
47351	Gro All Cobblers Special	Mt. Lake Park	1.83	.60	2.54	3.00	1.30		8.00	8.00	5.08	5.00	17.45	18.80
47352	Gro All Crown Jewel	Frederick	.63	.60	1.04	1.00	.50		8.90	9.00	3.08	3.00	10.22	11.00
45462	Gro All Dissolved Phosphate 16%	Baltimore					.75		15.25	16.00			9.26	9.60
47413	Gro All Dissolved Phosphate 16%	Baltimore					.55		16.00	16.00			9.68	9.60
47353	Gro All Excelsior, 2-8-4	Frederick	1.61	.60	2.00	2.00	.90		8.00	8.00	4.40	4.00	15.02	14.60
47096	Gro All, 5-7-5	Baltimore	3.55		4.37	5.00	.48		8.72	7.00	5.88	5.00	24.72	25.20
47354	Gro All Grain and Grass Grower	Mt. Lake Park	1.52	.60	2.15	2.00	1.55		11.20	12.00	2.82	2.00	16.45	15.60
47355	Gro All Pioneer	Frederick					.60		8.10	8.00	4.28	5.00	7.95	8.30
47356	Gro All Planters Mixture	Frederick	.56		.99	1.00	.50		8.00	8.00	5.72	6.00	12.36	12.50
47357	Gro All Potato Special	Mt. Lake Park	2.82	.60	3.64	4.00	1.00		8.30	8.00	6.60	7.00	22.49	23.70
47358	Gro All Super Fish	Frederick	.99	.60	2.00	2.00	1.00		12.10	12.00	4.98	6.00	17.90	18.40
47395	Gro All Super Fish	Baltimore	1.03	.60	1.42	2.00	.68		10.82	12.00	6.24	6.00	15.92	18.40
47097	Gro All, 2-8-5	Baltimore	1.37		1.98	2.00	1.53		7.07	8.00	4.22	5.00	14.35	15.30
47098	Gro All, 2-8-10	Baltimore	1.64		2.12	2.00	.65		8.25	8.00	10.24	10.00	19.64	18.80
47100	Gro All, 0-12-5	Baltimore					.40		11.65	12.00	5.04	5.00	10.58	10.70
47359	Gro All Valley Mixture	Frederick	1.30	.60	1.69	2.00	.50		8.00	8.00	2.40	2.00	12.48	13.20
47414	Gro All Valley Mixture	Baltimore	1.41	.60	1.80	2.00	.65		8.55	8.00	2.00	2.00	12.93	13.20
	L. E. P. Dennis and Son Co., Crisfield, Maryland.														
47129	7% Potato Grower, 7-6-5	Crisfield	4.79	2.34	6.22	7.00	.90		7.40	6.00	5.28	5.00	30.05	31.60
47130	Special Potato Mixture	Crisfield	3.05	2.00	4.93	6.00	.70		6.60	6.00	8.40	8.00	27.21	30.20
47131	Special Round Potato Mixture	Crisfield	3.43	1.66	4.57	5.00	.65		7.15	6.00	5.66	5.00	24.35	24.60
	Devilbiss Bros., New Windsor, Md.														
47360	Acid Phosphate 16%	New Windsor					.50		16.10	16.00			9.74	9.60
47361	Butcher House Phosphate	New Windsor	.40	.30	.89	1.00	.65		10.15	10.00	4.90	4.00	12.74	12.30
47362	Wheat Grower, 1-8-2	New Windsor	.31	.30	.99	1.00	.70		10.20	8.00	2.12	2.00	11.18	9.70
	Dorchester Fertilizer and Lime Co., Cambridge, Md.														
47132	Acid Phosphate 16%	Cambridge					.10		16.20	16.00			9.74	9.60
47135	Alsatian Kainit	Cambridge									15.04	13.00		
47133	Farmers Delight, 7-6-5	Cambridge	4.41		6.20	7.00	1.65		8.25	6.00	5.00	5.00	30.40	31.60
47134	Fish Mixture, 2-8-2	Cambridge	.47		1.66	2.00	.15		9.25	8.00	3.08	2.00	13.54	13.20
47136	Old Dorset, 1-8-4	Cambridge	.62		1.27	1.00	.65		8.55	8.00	4.46	4.00	12.80	11.10
47137	Pea Special, 2-8-4	Cambridge	1.14		2.20	2.00	.75		9.65	8.00	4.16	4.00	16.51	14.60
47138	Truck Grower, 4-8-4	Cambridge	2.23		3.58	4.00	.75		9.45	8.00	4.68	4.00	21.59	21.60
47481	2-8-10	Cambridge	1.02		1.63	2.00	.88		8.97	8.00	9.42	10.00	17.81	18.80

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	Dumont Fertilizer Company, Inc.,	**Philadelphia, Pa.**												
47033	Acid Phosphate 16%	Baltimore					.18		18.27	16.00			$10.99	$9.60
47122	5-8-5	Baltimore	4.45	3.05	4.59	5.00	.30		7.45	8.00	6.16	5.00	24.90	25.80
47167	5-8-5	Baltimore	3.14	3.05	4.80	5.00	1.35		8.65	8.00	5.20	5.00	25.83	25.80
47034	5-8-5	Baltimore	4.78	2.50	5.02	5.00	.40		8.45	8.00	4.10	5.00	25.57	25.80
45492	5-8-5	Baltimore	5.06	3.04	5.20	5.00	.55		8.15	8.00	5.24	5.00	26.84	25.80
47123	4-8-5	Baltimore	3.28	2.43	3.38	4.00	.15		8.25	8.00	6.24	5.00	21.17	22.30
47101	Kainit	Baltimore									14.56	12.00		
47168	Kainit	Baltimore									15.44	12.00		
47035	Kainit	Baltimore									12.88	12.00		
47124	Pure Ground Bone	Baltimore			3.99	3.00			*23.05	*23.00			25.50	22.00
47036	7-6-5	Baltimore	6.46	4.32	7.06	7.00	.60		6.40	6.00	4.68	5.00	31.91	31.60
45493	7-6-5	Baltimore	6.42	4.25	6.57	7.00	.65		5.95	6.00	5.28	5.00	30.37	31.60
47037	3-8-3	Baltimore	3.56	2.00	3.87	3.00	.60		8.70	8.00	3.00	3.00	20.96	17.40
47125	3-8-7	Baltimore	2.72	1.83	2.82	3.00	.25		7.85	8.00	7.83	7.00	20.10	20.20
47102	3-8-7	Baltimore	2.74	1.83	3.12	3.00	.40		8.00	8.00	6.82	7.00	20.55	20.20
47169	2-8-5	Baltimore	.71	1.21	2.01	2.00	1.40		8.80	8.00	5.32	5.00	16.25	15.30
47126	2-8-5	Baltimore	1.39	1.21	1.66	2.00	1.00		7.40	8.00	6.92	5.00	15.24	15.30
47127	0-12-5	Baltimore					.50		12.00	12.00	5.36	5.00	11.03	10.70
	East Coast Trading Co., Balto, Md.													
47067	Sheep Manure	Baltimore			5.08	4.50								
	Edelen Bros., Baltimore, Md.													
47415	H. G. Tobacco Guano	Baltimore	1.79	.60	2.27	3.00	.75		8.55	8.00	3.16	3.00	15.40	17.40
47396	H. G. Tobacco Guano	Baltimore	1.80	.60	2.69	3.00	1.53		7.62	8.00	3.04	3.00	16.34	17.40
47170	3-8-3	Baltimore	2.33		3.00	3.00	.90		9.00	8.00	3.12	3.00	18.22	17.40
47397	Wheat and Grain Mixture	Baltimore	.58	.60	1.18	1.00	1.13		6.77	9.00	2.54	3.00	10.14	11.00
	Farmers Fertilizer and Feed Co.,	**Westminster, Md.**												
47374	Acid Phosphate 16%	Westminster					1.28		16.02	16.00			9.80	9.60

47364	No. 3, 1½-8-3	Westminster	.77	.90	1.59	1.50	.60		8.80	8.00	3.32	3.00	13.26	12.15
47363	Potato Phosphate	Westminster	.50	1.20	1.63	2.00	1.80		8.00	8.00	6.42	5.00	15.16	15.30
47365	XX Fertilizer	Westminster	.34	.60	.80	1.00	.75		10.25	9.00	3.16	3.00	11.27	11.00
	Farmers and Planters Co., Salisbury, Md.															
47139	Acid Phosphate 16%	Salisbury					.25		17.15	16.00			10.33	9.60
47140	Early Truck, 4-8-4	Salisbury	3.12	3.34	3.94	4.00	.35		9.35	8.00	4.08	4.00	22.31	21.60
47070	Early Truck, 4-8-4	Salisbury	2.78	3.34	3.79	4.00	.65		8.55	8.00	4.24	4.00	21.47	21.60
47071	East Truck Mixture, 6-7-5	Salisbury	4.13		5.12	6.00	.28		8.02	7.00	6.24	5.00	27.13	28.70
47141	Fish Mixture, 2-8-2	Salisbury	.91	1.52	1.54	2.00	1.00		9.20	8.00	4.92	2.00	14.50	13.20
47072	General Crop Grower, 1-10-2	Salisbury	.03	.24	.85	1.00	.93		8.82	10.00	3.12	2.00	10.59	10.90
47142	General Crop Grower, 1-10-2	Salisbury	.53	.97	1.18	1.00	1.18		8.72	10.00	3.38	2.00	11.91	10.90
47073	High Grade 5%5-7-5	Salisbury	4.18	3.65	4.98	5.00	.38		8.52	7.00	5.00	5.00	26.10	25.20
45459	High Grade 7%	Salisbury	6.11	4.86	6.98	7.00	.75		6.85	6.00	5.76	5.00	32.68	31.60
47075	High Grade 7%	Salisbury	6.12	4.86	6.82	7.00	.60		6.60	6.00	5.12	5.00	31.50	31.60
47144	Kainit	Salisbury									14.08	12.00		
47074	Kainit	Salisbury									14.08	12.00		
47076	Special Fish Mixture, 2-8-5	Salisbury	1.02	1.52	1.84	2.00	1.05		8.95	8.00	5.28	5.00	15.67	15.30
47145	Special Fish Mixture, 2-8-5	Salisbury	1.43	1.52	2.15	2.00	.75		9.45	8.00	5.36	5.00	17.06	15.30
47146	Sweet Potato Special, 3-8-7	Salisbury	2.27	2.12	3.04	3.00	.50		8.60	8.00	7.28	7.00	20.98	20.20
47147	Truckers Mixture, 3-8-4	Salisbury	2.16	2.12	2.83	3.00	.85		9.05	8.00	3.64	4.00	18.02	18.10
47077	Truckers Mixture, 3-8-4	Salisbury	2.46	2.12	3.07	3.00	.70		8.90	8.00	3.52	4.00	18.66	18.10
	Griffith and Boyd Co., Balto., Md.													
47068	Acid Phosphate 16%	Baltimore					.80		15.10	16.00			9.18	9.60
47128	Accomac Trucker, 5-6-5	Baltimore	5.47	1.83	4.65	5.00	.90		6.10	5.00	5.86	5.00	24.18	24.60
47069	Accomac Trucker, 5-6-5	Baltimore	3.74	1.83	4.52	5.00	.85		6.25	6.00	4.58	5.00	22.91	24.60
45494	Farmers Potato Manure, 1-8-6	Baltimore	.66	.31	1.22	1.00	.50		8.50	8.00	6.00	6.00	13.65	12.50
47254	Fish and Blood Mixture	Baltimore	1.02	.37	1.74	1.75	.40		7.80	7.00			10.83	10.33
47042	Fish and Potash Guano	Baltimore	1.19	.37	1.79	1.75	.83		7.17	7.00	3.20	3.00	12.93	12.43
47046	Growers Favorite	Baltimore	3.45	1.00	4.18	4.00	.60		7.70	8.00	4.40	4.00	22.42	21.60
47047	Nitro Crop Feed	Baltimore	6.44	3.65	7.04	8.00	.65		6.65	4.00	1.18	2.00	29.56	31.80
47278	Peerless Fertilizer	Baltimore	.21	.12	.65	.50	.50		8.20	8.00	2.16	2.00	8.79	7.95
47016	7% Potato Guano	Baltimore	5.52	3.16	6.42	7.00	.60		6.60	6.00	4.44	5.00	29.63	31.60
47043	Sheep Manure	Baltimore			2.33				.55		2.56		10.28	
47310	Special Guano	Baltimore	1.28	.48	2.15	2.00	1.18		7.52	8.00	4.82	5.00	15.59	15.30
47255	Special Guano	Baltimore	1.39	.48	2.00	2.00	.35		10.15	8.00	3.62	5.00	15.67	15.30
45495	Special Potato Guano	Baltimore	3.50		3.84	4.00	.90		7.30	8.00	6.44	6.00	22.47	23.00
47311	Spring Crop Grower	Baltimore	1.15	.48	2.00	2.00	1.15		6.35	6.50	5.76	4.50	15.01	14.05
47044	Stable Manure Substitute	Baltimore	2.20	1.00	3.09	3.50	.60		5.40	5.25	4.16	4.00	17.06	18.20
47256	Tobacco and Vegetable Grower	Baltimore	1.66	.50	2.77	3.00	.50		7.40	8.00	3.40	3.00	16.60	17.40
47217	XX Potash Manure	Rising Sun					.50		10.40	10.00	5.32	5.00	10.04	9.50

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	Griffith and Turner Co., Balto, Md.													
47045	Ammoniated Alkaline Plant Food	Baltimore	.67	.24	1.06	1.00	.80		6.00	6.00	1.84	1.50	$8.72	$8.15
	Horsey Roe and Co., Greensboro, Md.													
47148	Acid Phosphate	Greensboro					.35		16.55	16.00			9.98	9.60
47149	Crop Grower	Greensboro	.24	.50	1.06	1.00	2.30		9.20	8.00	4.74	4.00	12.90	11.10
47150	Half and Half	Greensboro					.25		8.55	8.00	7.52	7.00	10.43	9.70
47151	Kainit	Greensboro									15.52	14.00		
47152	Fertilizer, 2-8-5	Greensboro	1.28	1.30	2.05	2.00	2.40		8.70	8.00	5.36	5.00	16.51	15.30
	Hubbard Fertilizer Co., Balto., Md.													
45477	Acid Phosphate	Baltimore					.50		16.20	16.00			9.80	9.60
45478	Alkaline, 12-5	Baltimore					.90		12.20	12.00	5.00	5.00	10.90	10.70
47312	Farmers IXL, 2-8-2	Baltimore	1.46	1.00	2.01	2.00	.70		8.00	8.00	2.12	2.00	13.43	13.20
47103	Farmers IXL, 2-8-2	Baltimore	1.49	1.00	2.00	2.00	.75		8.25	8.00	2.28	2.00	13.66	13.20
47257	H. G. Potash Mixture, 10-4	Baltimore					.85		9.85	10.00	5.28	4.00	9.74	8.80
45479	H. G. Potash Mixture, 10-4	Baltiomre					.75		9.95	10.00	4.16	4.00	8.99	8.80
47105	1-9-3	Baltimore	.53		1.06	1.00	.45		9.65	9.00	3.04	3.00	11.70	11.00
47104	1-8-4	Baltimore	1.48		1.03	1.00	.50		8.10	8.00	3.80	4.00	11.22	11.10
45484	5% Royal Seal, 5-6-5	Baltimore	1.88	3.00	2.68	5.00	.70		7.10	6.00	5.24	5.00	17.42	24.60
47279	Jersey Trucker, 2-8-10	Baltimore	1.57	1.00	1.98	2.00	1.68		7.47	8.00	11.12	10.00	19.44	18.80
47435	Jersey Trucker, 2-8-10	Baltimore	1.57	1.00	2.01	2.00	1.03		7.77	8.00	9.72	10.00	18.65	18.80
47107	Jersey Trucker, 2-8-10	Baltimore	1.48	1.00	2.03	2.00	.90		8.10	8.00	9.00	10.00	18.41	18.80
45480	Jersey Trucker, 2-8-10	Baltimore	1.74	1.00	2.37	2.00	.30		8.00	8.00	10.00	10.00	20.15	18.80
45481	Kainit	Baltimore									12.40	12.40		
47436	Money Maker Fertilizer, 2-8-5	Baltimore	1.48	1.00	2.06	2.00	1.05		8.25	8.00	4.78	5.00	15.67	15.30
47313	Money Maker Fertilizer, 2-8-5	Baltimore	1.45	1.00	2.01	2.00	1.48		7.17	8.00	5.46	5.00	15.38	15.30
45482	Money Maker Fertilizer, 2-8-5	Baltimore	1.57	1.00	2.12	2.00	.40		8.20	8.00	5.66	5.00	16.36	15.30
45483	Noxall Guano, 4-8-4	Baltimore	3.10	3.00	3.78	4.00	.50		7.90	8.00	4.00	4.00	20.85	21.60
45496	7% Royal Seal, 7-6-5	Baltimore	6.27	5.00	7.00	7.00	.90		6.00	6.00	5.08	5.00	31.80	31.60

45496	7% Royal Seal, 7-6-5	Baltimore	6.27	5.00	7.00	7.00	.90		6.00	6.00	5.00	5.00	31.80	31.00

	M.P.Hubbard Co., Inc., Balto., Md.														
47406	Special Potato and Tomato	Baltimore	.58	.60	1.88	2.00	.50		7.90	7.00	5.00	5.00	14.90	14.70
	Lancaster Chemical Co., Lancaster, Pa.														
47218	Flag Brand, 2-8-6	North East	2.29		2.51	2.00	.75	1.00	8.20	8.00	6.12	6.00	18.10	16.15
47219	No. 19 Potato Special, 2-8-10	Perryville	1.91		2.08	2.00	1.15	1.00	6.95	8.00	10.00	10.00	18.62	18.95
47220	No. 19 Potato Special, 2-8-10	North East	1.86		2.06	2.00	1.00	1.00	7.15	8.00	10.00	10.00	18.66	18.95
47221	No. 18 Success Brand, 1-8-4	North East	.78		1.02	1.00	.75	1.00	7.50	8.00	3.26	4.00	10.46	11.25
47222	No. 12 Wheat Special	North East	1.84		2.01	2.00	1.30	1.00	8.20	8.00	2.24	2.00	13.73	13.35
	Maryland Milling and Supply Co., Sykesville, Md.														
45929	Acid Phosphate, H. G.	Sykesville					.10		16.50	16.00			9.92	9.60
45930	Fish, Bone and Potash	Sykesville	.13		1.32	1.00	1.90		9.40	9.00	2.80	2.00	12.52	10.30
45931	Newman's Grain Producer	Sykesville	.28		1.90	1.00	.20		10.45	8.00	1.96	1.00	14.32	9.00
45932	Phosphate and Potash, 10-5	Sykesville					.05		11.75	10.00	6.08	5.00	11.32	9.50
45933	Warfield's Special Mixture, 1-8-4	Sykesville			1.11	1.00	.10		8.90	8.00	3.56	4.00	11.74	11.10
45934	Wheat and Grass Mixture, 1-8-1	Sykesville	.40	.25	1.39	1.00	.10		11.05	8.00	1.32	1.00	12.44	9.00
	Massy and Wilmer, Chestertown, Md.														
45962	Acid Phosphate	Chestertown					.70		16.90	16.00			10.25	9.60
45963	Asparagus Super Phosphate, 3-8-3	Chestertown	2.15		3.09	3.00	1.45		8.85	8.00	3.76	3.00	18.98	17.40
45964	Super Phosphate, 10-5	Chestertown					.50		10.80	10.00	6.56	5.00	11.15	9.50
	Miller Fertilizer Co., Balto., Md.														
45856	Acid Phosphate	Baltimore					.40	.50	16.40	16.00			9.90	9.60
47314	Ammoniated, 2-8-2	Baltimore	1.49	1.00	2.00	2.00	.85		8.15	8.00	2.40	2.00	13.70	13.20
45857	5-7-5	Baltimore	3.88	3.00	4.46	5.00	.85		6.95	7.00	6.04	5.00	24.14	25.20
45846	5-7-5	Baltimore	4.05	3.00	4.75	5.00	.80		7.00	7.00	5.04	5.00	24.48	25.20
47315	Grain Grower, 1-8-4	Baltimore	.51		.99	1.00	1.25		8.65	8.00	3.52	4.00	11.31	11.10
47398	Harvest Queen, 1-9-3	Baltimore	.64		1.08	1.00	.90		9.00	9.00	3.04	3.00	11.44	11.00
45936	Harvest Queen, 1-9-3	Baltimore	.51		1.02	1.00	.80		9.10	9.00	3.00	3.00	11.25	11.00
45935	H. G. Potato Fertilizer, 7-6-5	Baltimore	6.07		6.79	7.00	.40		6.10	6.00	5.36	5.00	31.24	31.60
45824	H. G. Potato Fertilizer, 7-6-5	Baltimore	5.88	5.00	6.56	7.00	.65		6.10	6.00	5.16	5.00	30.33	31.60
45802	H. G. Potato Fertilizer, 7-6-5	Baltimore	5.31	5.00	5.99	7.00	.65		7.40	6.00	5.36	5.00	30.24	31.60
45937	Kainit	Baltimore									12.88	12.00		
45822	Pimlico, 2-8-10	Preston	1.53	1.00	2.01	2.00	1.20		8.50	8.00	10.32	10.00	19.54	18.80
47171	No. 1 Pot. and Veg. Gro., 4-8-4	Baltimore	3.36	3.00	3.92	4.00	.80		8.40	8.00	4.20	4.00	21.82	21.60
47280	No. 1 Pot. and Veg. Gro., 4-8-4	Baltimore	3.28	3.00	3.72	4.00	.85		8.45	8.00	4.36	4.00	21.27	71.60
45858	Potato and Vegetable Gro., 2-9-3	Baltimore	1.49	1.00	2.00	2.00	.80		9.40	9.00	3.04	3.00	14.89	14.50
47281	Potato and Vegetable Gro., 2-9-3	Baltimore	1.43	1.00	2.03	2.00	1.10		9.20	9.00	3.36	3.00	15.15	14.50
45938	Potato and Vegetable Gro., 2-9-3	Baltimore	1.50	1.00	2.01	2.00	.65		8.95	9.00	3.16	3.00	14.72	14.50
45939	Standard Phosphate, 3-8-3	Baltimore	2.30	2.00	2.86	3.00	.70		8.20	8.00	3.00	3.00	17.14	17.40
45859	Standard Phosphate, 3-8-3	Baltimore	2.46	2.00	3.04	3.00	.75		8.55	8.00	3.08	3.00	18.05	17.40
45825	Standard Phosphate, 3-8-3	Baltimore	2.61	2.00	3.12	3.00	.70		8.40	8.00	3.08	3.00	18.23	17.40

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	Miller Fertilizer Co., Balto., Md.	**Cont.**												
47316	2-8-5	Baltimore	**2.26**	1.00	**2.84**	2.00	**1.65**		**7.50**	8.00	**5.36**	5.00	$18.44	$15.30
45940	2-8-5	Baltimore	**1.53**	1.00	**2.08**	2.00	**1.10**		**8.10**	8.00	**4.74**	5.00	**15.63**	15.30
45826	Vegetable Compound, 5-8-5	Baltimore	**4.47**	3.00	**5.15**	5.00	**.45**		**8.15**	8.00	**5.04**	5.00	**26.52**	25.80
45867	Vegetable Compound, 5-8-5	Baltimore	**4.32**	3.00	**5.02**	5.00	**.90**		**8.00**	8.00	**5.04**	5.00	**26.04**	25.80
45803	Vegetable Compound, 5-8-5	Baltimore	**4.38**	3.00	**5.20**	5.00	**.75**		**7.50**	8.00	**5.00**	5.00	**26.31**	25.80
	Natural Guano Co., Aurora, Ills.													
45804	Pulverized Sheep Manure	Baltimore	**1.06**		**2.90**	2.73	**.10**		**1.70**	1.00	**2.40**	2.00	**12.87**	11.56
	J. B. Nichols and Son, Balto., Md.													
45847	Farmers Friend Fertilizer	Baltimore	**2.42**	1.75	**4.16**	4.00	**.90**		**7.30**	7.00	**5.48**	4.00	**22.29**	21.00
	Nitrate Agencies Co., Balto., Md.													
47341	Acid Phosphate	Baltimore					**.35**		**16.75**	16.00			**10.10**	9.60
45868	Acid Phosphate	Baltimore					**.65**		**16.05**	16.00			**9.73**	9.60
45836	Acid Phosphate	Baltimore					**.40**		**16.10**	16.00			**9.72**	9.60
45869	Naco Brand, 5-8-8	Baltimore	**4.12**	3.00	**5.02**	5.00	**2.68**		**7.72**	8.00	**8.00**	8.00	**28.20**	27.90
45436	Naco Brand, 5-8-5	Crownsville	**3.63**	3.00	**4.98**	5.00	**.90**		**8.00**	8.00	**5.12**	5.00	**25.95**	25.80
45433	Naco Brand, 5-8-5	Jessups	**3.45**	3.00	**4.85**	5.00	**.75**		**8.05**	8.00	**5.28**	5.00	**25.62**	25.80
45434	Naco Brand, 4-8-4	Jessups	**3.74**	2.40	**4.08**	4.00	**.65**		**8.65**	8.00	**4.12**	4.00	**22.45**	21.60
47342	Naco Brand Kainit	Baltimore									**14.40**	12.40		
45837	Muriate of Potash	Baltimore									**51.80**	48.00		
47282	Naco 4-8-6 Equivalent	Baltimore	**3.81**	3.00	**4.32**	5.00	**1.30**		**11.00**	10.00	**8.48**	7.50	**27.86**	28.75
47223	Naco Brand, 7-9-6	Baltimore	**3.92**	4.20	**6.53**	7.00	**2.85**		**8.15**	9.00	**7.26**	6.00	**33.26**	34.10
45440	Naco Brand Equivalent, 7-6-5	Crownsville	**6.49**	4.20	**7.22**	7.00	**.65**		**6.55**	6.00	**5.04**	5.00	**32.83**	31.60
47283	Naco Brand, 4-12-4	Baltimore	**3.70**	2.40	**4.08**	4.00	**.45**		**12.65**	12.00	**5.06**	4.00	**25.48**	24.00
45838	Nitrate of Soda	Baltimore			**18.16**	18.23								
45839	Peruvian Guano	Baltimore	**6.61**	7.20	**13.66**	12.00	**1.80**		**10.00**	10.00	**2.69**	2.50	**55.96**	49.75
45840	Sulphate of Potash	Baltimore									**48.90**	47.00		
45439	6-8-4	Crownsville	**3.92**	3.60	**5.52**	6.00	**1.20**		**8.00**	8.00	**4.20**	4.00	**27.24**	28.60

45437	3-8-8	Crownsville	**3.00**	1.80	**3.67**	3.00	**.80**		**8.10**	8.00	**7.22**	8.00	**32.87**	30.90

45437	3-8-8	Crownsville	**3.00**	1.80	**3.67**	3.00	**.80**		**8.10**	8.00	**7.22**	8.00	**22.87**	20.90
45438	3-10-6	Crownsville	**2.68**	1.80	**3.16**	3.00	**.75**		**9.95**	10.00	**6.32**	6.00	**21.56**	20.70
47399	Naco Brand Equivalent, 2-8-5	Baltimore	**2.10**	1.59	**2.68**	2.66	**.80**		**10.90**	10.66	**6.68**	6.66	**20.71**	20.37
45435	0-10-4	Jessups					**.10**		**10.15**	10.00	**4.28**	4.00	**9.11**	8.80
45441	Naco Brand—Equivalent, 2-12-2	Crownsville	**1.61**	1.20	**2.12**	2.00	**.98**		**11.72**	12.00	**2.90**	2.00	**16.63**	15.60
45442	2-12-4	Crownsville	**1.93**	1.20	**2.53**	2.00	**.70**		**11.70**	12.00	**4.40**	4.00	**19.07**	17.00
	G. Ober and Sons Co., Balto., Md.													
45805	Acid Phosphate, H. G.	Baltimore					**.40**		**16.00**	16.00			**9.66**	9.60
47343	Acid Phosphate, H. G.	Baltimore					**.50**		**16.10**	16.00			**9.74**	9.60
45806	Acco Potash Potato Guano	Baltimore	**3.46**	1.70	**4.74**	5.00	**.75**		**7.15**	7.00	**5.36**	5.00	**24.74**	25.20
45807	Acco Potash Potato Guano	Baltimore	**3.50**	1.70	**4.78**	5.00	**.60**		**7.30**	7.00	**5.24**	5.00	**24.87**	25.20
47172	Acco Potash Potato Guano	Baltimore	**3.65**	1.70	**4.76**	5.00	**.70**		**7.80**	7.00	**5.04**	5.00	**24.98**	25.20
47290	Acco Potash Potato Guano	Baltimore	**3.41**	1.70	**4.59**	5.00	**.65**		**7.95**	7.00	**5.08**	5.00	**24.50**	25.20
45810	Pure Raw Bone Meal	Baltimore			**4.69**	4.50			***20.05**	*21.00			**26.45**	26.25
47258	Pure Raw Bone Meal	Baltimore			**4.20**	4.50			***18.70**	*21.00			**24.05**	26.25
45811	Pure Raw Bone Meal	Baltimore			**4.68**	4.50			***20.45**	*21.00			**26.61**	26.25
47317	Farmers Mixture	Baltimore	**.60**	.30	**1.01**	1.00	**1.30**		**9.40**	9.00	**2.12**	2.00	**10.86**	10.30
47284	Farmers Mixture	Baltimore	**.60**	.34	**1.04**	1.00	**1.50**		**9.15**	9.00	**2.08**	2.00	**10.82**	10.30
45808	Kainit	Baltimore									**14.64**	12.40		
45841	Kainit	Baltimore									**14.64**	12.40		
45884	Golden Top Wheat and Corn Gro..	Baltimore	**.96**	.34	**1.49**	1.00	**.75**		**9.15**	9.00	**3.12**	3.00	**13.00**	11.00
45809	Muriate of Potash	Baltimore									**52.20**	51.00		
47344	Red Seal Corn and Wheat Guano..	Baltimore	**1.26**	.70	**2.06**	2.00	**.60**		**12.60**	12.00	**2.04**	2.00	**16.29**	15.60
47318	Red Seal Corn and Wheat Guano..	Baltimore	**1.23**	.70	**2.01**	2.00	**.80**		**12.60**	12.00	**2.36**	2.00	**16.14**	15.60
45885	Sol. Ammo. Sup. Phos. of Lime.	Baltimore	**1.23**	.70	**2.01**	2.00	**.55**		**8.85**	8.00	**2.28**	2.00	**14.03**	13.20
47345	Special Compound for Tobacco.	Baltimore	**2.32**	1.00	**3.04**	3.00	**.90**		**8.60**	8.00	**3.20**	3.00	**18.18**	17.40
45915	Special Compound for Tobacco.	Baltimore	**2.18**	1.00	**2.85**	3.00	**.85**		**9.15**	8.00	**3.08**	3.00	**17.77**	17.40
47319	Special Compound for Tobacco.	Baltimore	**2.22**	1.00	**2.89**	3.00	**1.05**		**8.35**	8.00	**3.12**	3.00	**17.47**	17.40
47346	Special Plant Food	Baltimore	**1.61**	.70	**2.10**	2.00	**1.20**		**9.00**	9.00	**5.04**	5.00	**16.46**	15.90
45942	Special Plant Food	Baltimore	**1.45**	.70	**2.01**	2.00	**.75**		**9.60**	9.00	**5.72**	5.00	**16.91**	15.90
45886	Special Plant Food	Baltimore	**1.36**	.70	**2.03**	2.00	**1.15**		**8.25**	9.00	**5.04**	5.00	**16.36**	15.90
47173	Special Plant Food	Baltimore	**1.47**	.70	**2.12**	2.00	**.60**		**9.30**	9.00	**6.46**	5.00	**17.61**	15.90
45887	Stag Guano	Baltimore	**.73**	.34	**1.19**	1.00	**1.00**		**8.10**	8.00	**4.20**	4.00	**12.12**	11.10
47320	Standard Potash Compound	Baltimore					**.50**		**12.80**	12.00	**7.18**	6.00	**12.79**	11.40
45943	Standard Southern Vegetable Com..	Baltimore	**4.42**	2.34	**6.09**	7.00	**.63**		**7.12**	6.00	**5.04**	5.00	**29.21**	31.60
45849	Standard Southern Vegetable Com..	Baltimore	**5.18**	2.34	**6.89**	7.00	**.85**		**6.15**	6.00	**5.56**	5.00	**31.83**	31.60
45812	Standard Southern Vegetable Com..	Baltimore	**4.65**	2.34	**6.58**	7.00	**.50**		**6.30**	6.00	**5.40**	5.00	**30.67**	31.60
47174	Standard Southern Vegetable Com..	Baltimore	**4.42**	2.34	**6.19**	7.00	**.70**		**6.00**	6.00	**5.28**	5.00	**29.08**	31.60
47260	Starkey Truck Compound	Baltimore	**2.66**	1.34	**3.44**	4.00	**.90**		**9.30**	8.00	**5.12**	5.00	**21.34**	22.30
47437	Starkey Truck Compound	Baltimore	**2.42**	1.34	**3.36**	4.00	**1.00**		**9.40**	8.00	**5.08**	5.00	**21.11**	22.30

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	G. Ober and Sons Co., Balto., Md.	**Cont.**												
45944	Starkey Truck Compound	Baltimore	2.39	1.34	3.40	4.00	.90		9.15	8.00	5.04	5.00	$21.06	$22.30
45888	Starkey Truck Compound	Baltimore	2.61	1.34	4.08	4.00	.55		8.65	8.00	5.28	5.00	23.25	22.30
45813	Starkey Truck Compound	Baltimore	2.94	1.34	4.08	4.00	.40		8.10	8.00	5.52	5.00	23.06	22.30
45889	Superior Potato and Veg. Gro.	Baltimore	1.40	.70	1.98	2.00	.85		8.35	8.00	10.00	10.00	19.07	18.80
45842	Superior Potato and Veg. Gro.	Baltimore	1.55	.70	2.10	2.00	.60		8.10	8.00	10.00	10.00	19.30	18.80
45843	Super Wheat and Grain Mixture	Baltimore	1.76	1.00	2.65	3.00	.80		12.00	12.00	3.62	3.00	19.13	19.80
45890	Swan E. Fish Guano	Baltimore	1.35	.70	2.03	2.00	1.55		8.42	9.00	3.12	3.00	14.42	14.50
45848	Swan E. Fish Guano	Baltimore	1.53	.70	2.08	2.00	1.68		8.07	9.00	3.12	3.00	14.55	14.50
	Patuxent Guano Co., Balto., Md.													
45945	Beaver Brand Guano	Baltimore	.96		1.52	1.00	.75		9.25	9.00	4.00	3.00	13.78	11.00
47176	Champion Fertilizer	Baltimore	1.54	.60	2.00	2.00	.70		10.00	8.00	5.00	5.00	16.61	15.30
45947	Early Trucker	Baltimore	3.81		4.53	5.00	.58		8.02	7.00	5.94	5.00	24.92	25.20
45860	Early Trucker	Baltimore	3.27		3.79	5.00	.60		7.90	7.00	6.34	5.00	22.54	25.20
45948	Sheep Manure	Baltimore			2.34		.05		.75		2.68		10.53	
45949	Truck and Potato Guano	Baltimore	3.87	.60	4.63	4.00	.50		8.75	8.00	6.96	4.00	26.41	21.60
	Peerless Fertilizer Co., Chestertown, Md.													
47471	Acid Phosphate 18%	Chestertown					.10		18.30	18.00			11.00	10.80
45965	Acid Phosphate 16%	Chestertown					.10		16.20	16.00			9.74	9.60
45966	American Standard	Chestertown	3.35	2.00	4.20	4.00	.50		7.00	6.00	6.70	5.00	23.67	21.70
45967	Early Trucker	Chestertown	4.56		5.55	5.00	.30		7.85	8.00	7.00	5.00	29.09	25.80
45968	Fish Mixture	Chestertown	2.34		2.99	3.00	.65		8.85	8.00	6.02	7.00	20.09	20.20
45969	Ford's Ideal Grade, 1-9-3	Chestertown	.80		1.19	1.00	1.25		10.25	9.00	4.38	3.00	13.58	11.00
45970	Ground Bone	Chestertown			4.52	4.50			*24.35	*21.50			28.00	26.50
45971	½ and ½ Rock and Kainit	Chestertown					.30		8.80	8.00	6.16	6.00	9.64	9.00
45972	Imperial Compound	Chestertown	.81		1.19	1.00	1.30		9.60	8.00	4.64	4.00	13.38	11.10
45973	Kainit	Chestertown									15.12	12.40		
45974	Special Sweet Potato	Chestertown	1.17		1.89	2.00	.45		8.55	8.00	10.08	10.00	18.88	18.80
45975	Sweet Potato	Chestertown	1.52	1.00	2.17	2.00	.25		8.45	7.00	7.00	7.00	17.61	16.10

45974	Special Sweet Potato	Chestertown	1.17		1.89	2.00	.45		8.55	8.00	10.08	10.00	18.88	18.80

45975	Sweet Potato	Chestertown	1.52	1.00	2.17	2.00	.25		8.45	7.00	7.00	7.00	17.61	16.10
45976	Truckers Pride	Chestertown	5.30		6.34	7.00	.70		7.10	6.00	4.00	5.00	29.36	31.60
45977	Peerless	Chestertown	1.35	1.00	2.15	2.00	.40		9.30	8.00	5.36	5.00	16.92	15.30
	Piedmont Mt. Airy Guano Co., Baltimore, Md.															
45844	Acid Phosphate 16%	Baltimore					.55		15.95	16.00			9.65	9.60
45827	Acid Phosphate 16%	Baltimore					.52		15.88	16.00			9.61	9.60
45861	Acid Phosphate 16%	Baltimore					.70		16.20	16.00			9.83	9.60
45916	Bone Meal	Baltimore			3.02	3.00			*25.70	*22.90			23.42	21.95
47177	Early Trucker	Baltimore	3.60	1.66	4.03	5.00	1.05		6.75	6.00	4.60	5.00	21.54	24.60
45853	Early Trucker	Baltimore	4.25	1.67	4.73	5.00	1.10		6.80	6.00	5.00	5.00	24.31	24.60
47262	Farmers Favorite	Baltimore	.63	.32	1.02	1.00	1.05		9.15	8.00	4.24	4.00	12.19	11.10
45862	Farmers Favorite	Baltimore	1.11	.32	1.57	1.00	1.20		9.20	8.00	5.51	4.00	15.06	11.10
45950	Fish Mixture	Baltimore	1.34	.67	2.01	2.00	1.70		8.80	8.00	3.76	2.00	15.21	13.20
45891	5-8-5 Fertilizer	Baltimore	4.31	1.66	4.98	5.00	1.88		8.07	8.00	5.36	5.00	26.30	25.80
45951	Gold Rod	Baltimore	6.19	2.34	6.70	7.00	.95		6.55	6.00	5.36	5.00	31.27	31.60
45863	Gold Rod	Baltimore	6.15	2.34	6.61	7.00	1.05		6.95	6.00	5.24	5.00	31.14	31.60
45850	Gold Rod	Baltimore	6.12	2.34	6.63	7.00	.85		6.75	6.00	5.04	5.00	30.92	31.60
45828	Gold Rod	Baltimore	6.43	2.34	6.89	7.00	1.00		6.50	6.00	5.54	5.00	32.05	31.60
45801	Gold Rod	Baltimore	6.01	2.34	6.56	7.00	1.00		6.50	6.00	5.36	5.00	30.76	31.60
47261	H. G. Ammoniated Phos and Pot.	Baltimore	2.20	1.51	2.83	3.00	1.80		9.50	8.00	3.28	3.00	18.18	17.40
45918	2-8-10 H. G. Vegetable Grower	Baltimore	1.30	.67	1.81	2.00	.70		10.00	8.00	10.24	10.00	19.62	18.80
45829	Kainit	Baltimore									12.56	12.40		
45864	Muriate of Potash	Baltimore									50.00	50.00		
45852	Nitrate of Soda	Baltimore			18.58	18.25								
47440	Perfection	Baltimore	1.38	.67	1.98	2.00	1.13		7.77	8.00	5.40	5.00	15.54	15.30
47439	Perfection	Baltimore	1.92	.67	2.48	2.00	1.25		7.75	8.00	7.02	5.00	18.43	15.30
45952	Perfection	Baltimore	1.40	.67	2.00	2.00	1.65		8.85	8.00	5.16	5.00	16.17	15.30
45830	Perfection	Baltimore	2.80	.67	3.31	2.00	1.10		8.15	8.00	5.48	5.00	20.49	15.30
47263	Plow Brand	Baltimore	1.42	.67	2.00	2.00	1.60		9.30	8.00	2.28	2.00	14.42	13.20
45882	Plow Brand	Baltimore	1.36	.67	2.03	2.00	2.25		8.45	8.00	2.24	2.00	14.09	13.20
45919	12-6 Potash Mixture	Baltimore					.95		11.70	12.00	7.16	6.00	12.17	11.40
47178	Raw Bone Meal	Baltimore			4.62	4.50			*21.10	*22.50			26.72	27.00
45851	Raw Bone Meal	Baltimore			4.38	4.50			*20.63	*22.90			25.65	27.20
45953	2-10-6 Fertilizer	Baltimore	1.42	.67	1.86	2.00	.95		11.35	10.00	5.56	6.00	17.35	17.20
45920	2-10-6 Fertilizer	Baltimore	1.54	.67	2.00	2.00	1.25		10.05	10.00	5.00	6.00	16.72	17.20
45921	2-12-4 Fertilizer	Baltimore	1.37	.67	1.71	2.00	1.08		10.77	12.00	5.30	4.00	16.32	17.00
	Premier Poultry Manure Co., Chicago, Ill.													
45797	Premier Br. Pul. Poul. Manure	Baltimore			5.20	5.00	.20		2.50	1.70	1.36	1.30	20.68	19.43
	Pulverized Manure Co., Chicago, Ill.													
45912	Wizard Brand Sheep Manure	Hyattsville			2.76	2.43	.25		1.75	1.25	2.86	2.00	12.79	10.66

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	Ramsburg Fertilizer Co., Frederick, Md.													
47369	Ammoniated Bone Phosphate	Frederick	.51	.85	.99	1.00	1.50		12.40	10.00	2.36	2.00	$12.79	$10.90
47370	Corn and Potato Fertilizer	Frederick	.80	.85	1.19	1.00	1.50		10.50	10.00	4.82	4.00	14.07	12.30
47371	Excelsior Plant Food	Frederick	1.15	1.83	1.82	2.00	3.20		11.20	10.00	2.00	2.00	14.97	14.40
47372	Rock and Potash	Frederick					.50		12.30	12.00	5.36	5.00	11.21	10.70
47373	Super Phosphate	Frederick					.75		16.45	16.00			9.98	9.60
	Rasin Monumental Co., Balto., Md.													
47179	Acid Phosphate 16%	Baltimore					.85		16.15	16.00			9.82	9.60
45814	Acid Phosphate 16%	Baltimore					1.50		16.80	16.00			10.31	9.60
45798	Acid Phosphate 16%	Baltimore					1.60		16.20	16.00			9.96	9.60
47224	Best Potato Formula	Baltimore	3.89	2.00	4.11	4.00	1.10		7.65	8.00	6.00	6.00	23.35	23.00
45865	Eastern Shore Potato Special	Baltimore	6.48	4.20	6.72	7.00	.45		6.55	6.00	5.20	5.00	31.16	31.60
45795	Eastern Shore Potato Special	Baltimore	5.93	4.20	6.53	7.00	.80		6.70	6.00	5.32	5.00	30.72	31.60
45954	H. G. Phosphate and Potash	Baltimore					.30		11.55	12.00	5.32	5.00	10.70	10.90
45799	Genuine Imported Kainit	Baltimore									13.44	12.40		
47180	Special Sweet Potato Mixture	Baltimore	2.74	1.52	3.00	3.00	.30		8.00	8.00	8.16	8.00	21.06	20.90
45796	Special Sweet Potato Mixture	Baltimore	3.14	1.52	3.41	3.00	.45		7.95	8.00	8.08	8.00	22.44	20.90
45815	Truckers Special	Baltimore	4.67	2.98	4.98	5.00	1.00		8.10	8.00	5.04	5.00	25.97	25.80
45781	Truckers Special	Baltimore	4.52	2.98	4.95	5.00	.35		8.00	8.00	5.08	5.00	25.74	25.80
47348	Universal Crop Manure	Baltimore	1.76	.78	2.03	2.00	1.30		8.50	8.00	5.50	5.00	16.26	15.30
45955	Universal Crop Manure	Baltimore	1.77	.78	2.08	2.00	1.00		8.20	8.00	5.04	5.00	15.88	15.30
47285	Universal Crop Manure	Baltimore	1.83	.78	2.00	2.00	.40		8.60	8.00	4.82	5.00	15.59	15.30
47181	Universal Crop Manure	Baltimore	1.70	.43	1.87	2.00	.55		8.45	8.00	4.82	5.00	15.07	15.30
47321	Vegetable Special	Baltimore	1.81	.78	2.00	2.00	.65		8.35	8.00	11.16	10.00	19.92	18.80
	Reindollar Co., Taneytown, Md.													
47366	Acid Phosphate 16%	Taneytown					.40		16.50	16.00			9.96	9.60
47367	Ammoniated Phosphate	Taneytown	.68		1.09	1.00	.70		13.50	12.00	4.82	5.00	15.40	14.20
47368	Rock and Potash	Taneytown					.55		12.95	12.00	6.84	6.00	12.64	11.40
	F.S.Royster Guano Co., Balto., Md.													

47368	Rock and Potash	Taneytown					.55		12.95	12.00	6.84	6.00	12.64	11.40		
	F.S.Royster Guano Co., Balto., Md.															
47291	Acid Phosphate 16%	Baltimore					1.10		16.00	16.00			9.77	9.60		
45779	Acid Phosphate 16%	Baltimore					.35		16.30	16.00			9.83	9.60		
45893	Arrow 7% Potato Guano	Baltimore	5.32	4.66	6.74	7.00	.65		6.05	6.00	5.04	5.00	30.85	31.60		
45870	Arrow 7% Potato Guano	Baltimore	5.00	4.66	6.35	7.00	.80		6.80	6.00	5.04	5.00	29.96	31.60		
47225	Bully Guano	Port Deposit	1.44	1.33	1.87	2.00	1.00		8.20	8.00	5.04	5.00	15.15	15.30		
47264	Cuckoo Guano	Baltimore	.65		.99	1.00	.90		8.10	8.00	1.04	1.00	9.19	9.00		
47226	Fish, Flesh and Fowl	Port Deposit	1.33	1.33	1.98	2.00	1.25		8.45	8.00	3.00	3.00	14.29	13.90		
47441	Genuine German Kainit	Baltimore									13.76	12.40				
47400	Genuine German Kainit	Baltimore									13.92	12.40				
47380	Genuine German Kainit	Baltimore									14.24	12.40				
45922	Muriate of Potash	Baltimore									52.90	48.00				
47182	Nitrate of Soda	Baltimore			18.26	18.24										
45854	Ripper Potato Guano	Baltimore	4.15	3.33	5.00	5.00	1.25		8.20	7.00	5.00	5.00	26.11	25.20		
47442	Sensation Guano	Baltimore	2.27	2.00	2.99	3.00	1.03		7.77	8.00	5.40	5.00	19.06	18.80		
45845	7% Potato Guano	Baltimore	5.12	4.66	6.47	7.00	.70		6.80	6.00	5.08	5.00	30.40	31.60		
47381	Triumph Guano	Baltimore	2.30	2.00	3.02	3.00	1.55		8.65	8.00	5.24	3.00	19.66	17.40		
47265	Truckers Delight	Baltimore	3.08	2.66	3.85	4.00	1.25		8.45	8.00	3.76	4.00	21.37	21.60		
45894	Truckers Delight	Baltimore	2.98		3.88	4.00	1.00		8.00	8.00	4.00	4.00	21.33	21.60		
	Scott Fertilizer Co., Elkton, Md.															
47228	Kainit	Elkton									12.32	12.00				
47229	Potato Grower, 2-8-10	Elkton	1.45	1.00	2.00	2.00	1.40		8.10	8.00	10.68	10.00	19.55	18.80		
47230	Potato and Truck Special, 2-8-5	Elkton	1.26	1.00	1.84	2.00	1.10		8.00	8.00	5.20	5.00	15.05	15.30		
45957	Potato and Truck Special, 2-8-5	Baltimore	1.59	1.00	2.10	2.00	.70		8.30	8.00	5.00	5.00	15.94	15.30		
47227	Pure Ground Raw Bone, 4½-21	Elkton			4.59	4.50			*21.25	*21.50			26.70	26.50		
47231	Special Grain Grower, ½-8-4	Elkton	.51		.95	.50	.90		8.10	8.00	4.12	4.00	11.21	9.35		
47232	Sure Growth Compound, 4-8-7	Elkton	3.04	3.00	3.64	4.00	1.38		8.07	8.00	6.70	7.00	22.48	23.70		
47233	Sure Growth Superphos., 2-8-3	Elkton	1.29	1.00	1.82	2.00	.80		8.00	8.00	3.04	3.00	13.42	13.90		
45958	Sure Growth Superphos., 2-8-3	Baltimore	1.57	1.00	2.13	2.00	.80		8.10	8.00	3.00	3.00	14.54	13.90		
47234	Tip Top Soluble Phosphate 16%	Elkton					1.50		16.25	16.00			9.98	9.60		
47235	Wheat and Grass, ½-8-2	Elkton	.17		.58	.50	.85		8.35	8.00	2.28	2.00	8.77	7.95		
	Summers Fertilizer Co., Inc., Baltimore, Md.															
45923	All Crop Grower	Baltimore	2.09	1.00	2.57	2.00	.75		7.70	8.00	6.20	5.00	18.07	15.30		
47462	5-8-5	Owings Mills	3.87		4.95	5.00	.95		7.30	8.00	5.32	5.00	25.57	25.80		
47408	4-8-8	Baltimore	3.12	2.00	4.13	4.00	.80		8.30	8.00	6.10	8.00	23.83	24.40		
45924	Nitrate of Soda	Baltimore			18.60	18.25										
47466	Potato Special	Sykesville	3.15	2.61	4.04	4.00	.75		8.45	8.00	4.88	4.00	22.74	21.60		
45925	Special Lawn Fertilizer, 8-4-2	Baltimore	6.63		7.71	8.00	3.35		4.15	4.00	2.54	2.00	31.76	31.80		
45866	Special Lawn Fertilizer, 8-4-2	Baltimore	6.09		7.28	8.00	3.53		4.57	4.00	3.06	2.00	30.89	31.80		
47463	Wheat Special	Owings Mills	1.74		2.13	2.00	1.00		12.30	12.00	2.40	2.00	16.67	15.60		
47464	Wheat Special	Montrose	1.79		2.17	2.00	.70		12.00	12.00	2.36	2.00	16.56	15.60		

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	Superior Guano Co., Baltimore, Md.													
47382	Caroline Special	Baltimore	.49	.56	1.00	1.00	1.28		7.72	9.00	2.58	3.00	$10.13	$11.00
47443	Fruit Special	Baltimore	2.23	.97	2.81	2.00	.80		8.50	8.00	4.32	5.00	18.08	15.30
45926	Fruit Special	Baltimore	1.32		2.00	2.00	.90		7.90	8.00	5.04	5.00	15.41	15.30
	Swift and Co., Baltimore, Md.													
45895	Acid Phos. Fertilizer 16% H. G.	Baltimore					.10		16.30	16.00			9.80	9.60
45871	Acid Phos. Fertilizer 16% H. G.	Baltimore					.10		16.30	16.00			9.80	9.60
45872	Bone Meal Fertilizer	Baltimore			3.74	3.00			*25.90	*24.00			26.04	22.50
45896	Canning Crop Fertilizer	Baltimore	3.17	2.60	3.75	4.00	.55		7.95	8.00	4.00	4.00	20.78	21.60
45873	Canning Crop Fertilizer	Baltimore	3.44	2.60	3.99	4.00	.65		8.00	8.00	4.20	4.00	21.81	21.60
47409	Diamond "B" Fertilizer	Baltimore	2.54	1.65	3.12	3.00	.75		7.85	8.00	5.00	5.00	19.24	18.80
47286	Diamond "B" Fertilizer	Baltimore	2.24	1.95	2.63	3.00	.60		8.20	8.00	6.30	5.00	18.63	18.80
47416	Early Potato Grower	Baltimore	4.67	3.25	5.15	5.00	.10		8.90	8.00	5.12	5.00	26.97	25.80
45897	Early Potato Grower	Baltimore	4.49	3.25	5.07	5.00	.35		8.05	8.00	5.20	5.00	26.27	25.80
45898	Early Potato Grower	Baltimore	4.47	3.25	5.03	5.00	.25		8.15	8.00	5.08	5.00	26.10	25.80
45874	Early Potato Grower	Baltimore	4.60	3.25	5.15	5.00	.30		8.10	8.00	5.36	5.00	26.69	25.80
45855	Early Potato Grower	Baltimore	4.94	3.25	5.47	5.00	.30		8.10	8.00	5.20	5.00	27.70	25.80
47444	Golden Grain Grower	Baltimore	1.64	1.30	2.03	2.00	.75		9.25	8.00	4.08	5.00	15.62	15.30
47401	Golden Grain Grower	Baltimore	1.44	1.30	1.87	2.00	1.10		7.75	8.00	6.24	5.00	15.74	15.30
47445	Grain Fertilizer	Baltimore	.75	.65	1.06	1.00	.20		8.70	8.00	2.16	2.00	10.47	9.70
45881	H. G. Trucker, 7-6-5	Baltimore	6.42	4.55	6.98	7.00	.35		6.25	6.00	5.04	5.00	31.76	31.60
45899	Hummer	Baltimore	6.40	4.50	7.00	7.00	.30		6.20	6.00	5.54	5.00	32.15	31.60
45875	Hummer	Baltimore	6.75	4.50	7.35	7.00	.30		6.40	6.00	5.12	5.00	33.19	31.60
45876	Kainit	Baltimore									12.72	12.40		
45831	Kainit	Baltimore									13.04	12.40		
45877	Monmouth County Potato Manure	Baltimore	3.52	2.60	4.01	4.00	.50		8.00	8.00	5.12	5.00	22.50	22.30
45782	New Jersey Special	Baltimore	3.60	2.60	4.03	4.00	.15		8.20	8.00	6.42	7.00	23.54	23.70
45878	Nitrate of Soda	Baltimore			18.30	18.00								

45878	Nitrate of Soda	Baltimore					18.30	18.00									

47417	Planters Favorite	Baltimore	2.63	1.95	3.07	3.00	.60		8.40	8.00	3.02	3.00	17.99	17.40
47446	Planters Favorite	Baltimore	2.64	1.65	3.07	3.00	.45		8.05	8.00	3.12	3.00	17.83	17.40
45956	Planters Favorite	Baltimore	2.31	1.95	2.77	3.00	.25		8.05	8.00	3.00	3.00	16.67	17.40
45883	Red Steer, 4-8-10	Baltimore	3.71	2.60	4.15	4.00	.45		8.25	8.00	8.72	10.00	25.64	25.80
45832	Red Steer, 4-8-10	Baltimore	3.71	2.60	4.19	4.00	.50		8.20	8.00	8.83	10.00	25.85	25.80
45879	Red Steer, 7-8-5	Baltimore	6.14	4.55	6.79	7.00	.35		8.45	8.00	4.72	5.00	32.02	32.80
47418	Red Steer, 6-8-4	Baltimore	4.66	3.90	5.43	6.00	1.20		7.40	8.00	4.04	4.00	26.45	28.60
45880	Red Steer, 2-8-3	Baltimore	1.69	1.30	2.20	2.00	.50		8.10	8.00	3.28	3.00	14.93	13.90
47447	Red Steer, 2-8-2	Baltimore	1.57	1.30	2.00	2.00	.95		8.05	8.00	2.56	2.00	13.76	13.20
47448	Special Potato Fertilizer	Baltimore	1.60	1.30	2.01	2.00	1.00		7.45	8.00	10.40	10.00	18.94	18.80
45833	Tankage	Baltimore	1.43		8.56	9.00								
	Wm. B. Tilghman Co., Inc, Salisbury, Md.													
45978	Acid Phosphate	Salisbury					1.55		16.05	16.00			9.86	9.60
45979	Early Truck Guano	Salisbury	3.70	2.73	5.17	5.00	1.15		8.05	8.00	5.00	5.00	26.60	25.80
45901	Early Truck Guano	Salisbury	3.61	3.21	4.94	5.00	1.42		7.88	8.00	5.16	5.00	25.84	25.80
45980	Fish, Bone and Potash	Salisbury	.55	.50	1.11	1.00	1.85		10.00	10.00	2.20	2.00	11.71	10.90
45981	High Grade Potash Mixture	Salisbury	1.01	1.00	2.20	2.00	1.35		8.25	8.00	10.00	10.00	19.85	18.80
45902	Irish P. Guano	Salisbury	5.51		7.03	7.00	.90		6.60	6.00	5.24	5.00	32.38	31.60
45783	Irish P. Guano	Salisbury	5.94	4.00	7.00	7.00	1.10		5.90	6.00	5.12	5.00	31.79	31.60
45982	Kainit	Salisbury									13.28	12.40		
45983	Mixture "B"	Salisbury	2.67	2.25	4.15	4.00	1.00		8.30	8.00	4.04	4.00	22.49	21.60
45903	Mixture "B"	Salisbury	2.63	2.25	4.30	4.00	1.50		8.10	8.00	4.24	4.00	23.11	21.60
45985	Tilghman's 7%	Salisbury	5.38	4.75	7.10	7.00	1.60		7.20	6.00	5.16	5.00	33.02	31.60
45904	Tilghman's 7%	Salisbury	5.58	4.75	7.08	7.00	1.05		6.65	6.00	5.16	5.00	32.54	31.60
45984	Special Corn Fertilizer	Salisbury	.47	.50	1.19	1.00	3.15		9.95	10.00	5.20	5.00	14.25	13.00
45986	S. P. Mixture 3-8-8	Salisbury	1.88	1.64	3.19	3.00	1.20		9.00	8.00	8.00	8.00	22.35	20.90
45905	S. P. Mixture 3-8-8	Salisbury	1.64	1.64	3.12	3.00	2.05		8.05	8.00	8.16	8.00	21.77	20.90
45987	Special, 2-8-5	Salisbury	1.42	1.00	2.48	2.00	1.05		8.65	8.00	5.36	5.00	17.78	15.30
45906	Special, 2-8-5	Salisbury	1.45	1.00	2.64	2.00	.95		8.10	8.00	5.04	5.00	17.78	15.30
45988	Standard Fish Mixture	Salisbury	1.48	1.00	2.50	2.00	1.60		10.40	10.00	2.36	2.00	16.88	14.40
45907	Standard Fish Mixture	Salisbury	1.01	1.00	2.00	2.00	1.55		10.25	10.00	2.72	2.00	15.28	14.40
	United States Guano Co., Baltimore, Md.													
47454	Acid Phosphate	College Park					.55		16.35	16.00			9.89	9.60
45786	Accomac Peninsula King	Snow Hill	3.31	1.58	5.05	5.00	1.95		9.35	8.00	5.05	5.00	27.12	25.80
45787	Accomac Peninsula King	Snow Hill	3.10	1.58	4.94	5.00	1.60		9.70	8.00	5.04	5.00	26.88	25.80
45788	Accomac Peninsula King	Snow Hill	3.16	1.58	5.09	5.00	2.00		9.60	8.00	5.12	5.00	26.95	25.80
47453	Blood	College Park			10.20	12.00								
47287	Evergreen Fish Compound	Baltimore	1.89		2.73	4.00	1.60		11.65	8.00	2.42	4.00	18.35	21.60
45793	Fertilizer Special Mixture, 6-8-8	Snow Hill	3.82		5.83	6.00	1.00		8.40	8.00	8.24	8.00	31.37	31.40
45792	Fertilizer Special Mixture, 6-8-8	Snow Hill	3.74		5.92	6.00	1.45		8.35	8.00	8.02	8.00	31.56	31.40

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	United States Guano Co. Baltimo	**re, Md., Cont.**												
45794	Fertilizer Special Mixture, 6-8-8	Snow Hill	3.87	----	6.02	6.00	1.55	----	8.25	8.00	7.38	8.00	$31.42	$31.40
47469	Jumbo Potato Grower, 7-6-5	Cambridge	5.05	4.18	5.83	7.00	.50	----	7.45	6.00	4.72	5.00	28.26	31.60
47467	Jumbo Potato Grower, 7-6-5	Towson	5.11	4.18	5.88	7.00	.75	----	8.05	6.00	4.48	5.00	28.66	31.60
47465	Jumbo Potato Grower, 7-6-5	Montrose	3.66	----	5.42	7.00	1.30	----	9.45	6.00	8.04	5.00	30.47	31.60
45446	Jumbo Potato Grower, 7-6-5	Cambridge	5.21	----	6.01	7.00	.55	----	7.75	6.00	5.00	5.00	29.27	31.60
45791	Jumbo Potato Grower, 7-6-5	Snow Hill	4.44	4.18	7.00	7.00	1.88	----	7.22	6.00	5.00	5.00	32.61	31.60
45790	Jumbo Potato Grower, 7-6-5	Snow Hill	4.32	4.18	6.86	7.00	1.98	----	7.47	6.00	5.04	5.00	32.32	31.60
45789	Jumbo Potato Grower, 7-6-5	Snow Hill	4.05	4.18	6.64	7.00	2.13	----	7.77	6.00	5.08	5.00	31.78	31.60
47455	Kainit	College Park	----	----	----	----	----	----	----	----	15.20	14.00	----	----
47456	Muriate of Potash	College Park	----	----	----	----	----	----	----	----	49.10	50.00	----	----
47457	Nitrate of Soda	College Park	----	----	17.33	----	----	----	----	----	----	----	----	----
47458	Raw Bone Meal, 4½-22.88	College Park	----	----	4.78	4.50	----	----	*21.75	*22.88	----	----	27.61	27.19
47459	Sulphate of Ammonia	College Park	----	----	25.16	25.00	----	----	----	----	----	----	----	----
47460	Sulphate of Potash	College Park	----	----	----	----	----	----	----	----	50.70	48.00	----	----
47461	Tankage	College Park	----	----	6.11	6.00	----	----	*13.60	*13.74	----	----	28.19	27.87
	E. S. Valliant and Son., Centreville	**, Md.**												
45991	Acid Phosphate	Centreville	----	----	----	----	.10	----	16.60	16.00	----	----	9.98	9.60
45992	Big Three	Centreville	.61	.75	.99	1.00	.30	----	9.15	9.00	4.08	3.00	11.87	11.00
45994	Corn Mixture	Centreville	----	----	----	----	.65	----	7.45	6.00	7.00	7.00	9.47	8.50
45995	Standard	Centreville	.71	.75	1.09	1.00	.55	----	9.45	9.00	4.12	4.00	12.45	11.70
	Wm. H. Valliant and Bro., Bellevu	**e, Md.**												
45990	Fish Special	Bellevue	.15	1.00	1.98	2.00	1.08	----	9.92	8.00	6.32	6.00	17.46	16.00
	Virginia Carolina Chemical Co., B	**altimore. Md,**												
45959	Acid Phosphate 16%	Baltimore	----	----	----	----	.90	----	16.30	16.00	----	----	9.92	9.60
47449	Acid Phosphate 16%	Baltimore	----	----	----	----	.95	1.00	15.80	16.00	----	----	9.62	9.75
47402	Champion Brand	Baltimore	3.47	2.00	3.74	4.00	.83	----	7.92	8.00	4.12	4.00	20.84	21.60
47383	Champion Brand	Baltimore	3.58	2.00	3.87	4.00	.90	----	7.20	8.00	4.16	4.00	24.41	21.60
47184	Champion Brand	Baltimore	3.77	2.95	4.11	4.00	.60	----	8.10	8.00	4.60	4.00	22.54	21.60

47184	Champion Brand	Baltimore	3.77	3.95	4.11	4.00	.60		8.10	8.00	4.60	4.00	22.56	21.60
45834	Champion Brand	Baltimore	3.84	2.00	4.10	4.00	.20		8.10	8.00	4.32	4.00	22.26	21.60
45960	Eastern Shore Potato Special	Baltimore	5.82	4.03	6.04	7.00	.35		6.85	6.00	5.40	5.00	29.08	31.60
45817	Eastern Shore Potato Special	Baltimore	6.24	4.20	6.65	7.00	.75		6.15	6.00	5.36	5.00	30.83	31.60
47486	Fish, Bone and Potash	Baltimore	1.33	.78	2.00	2.00	2.45		8.05	8.00	3.40	3.00	14.58	13.90
45961	Fish, Bone and Potash	Baltimore	1.45	.78	2.00	2.00	2.00		8.10	8.00	3.60	3.00	14.68	13.90
47185	Genuine Imported Kainit	Baltimore									12.40	12.40		
47349	Genuine Imported Kainit	Baltimore									12.60	12.40		
45818	Genuine Imported Kainit	Baltimore									14.48	12.40		
47266	Gold Medal	Baltimore	2.76	1.52	3.02	3.00	.75		7.95	8.00	3.80	3.00	18.11	17.40
47484	Muriate of Potash	Baltimore									51.30	48.00		
45900	Sheep Manure	Baltimore			2.59	2.10	.00		1.65	1.50	2.40	1.50	11.74	9.30
47322	Sheep Manure	Baltimore			2.65	2.10	.03		1.57	1.50	2.48	1.50	11.96	9.30
47403	South Shore Brand	Baltimore	1.84	.78	2.01	2.00	.65		7.70	8.00	5.04	5.00	15.29	15.30
47186	Standard Crop Grower, 2-8-2	Baltimore	2.23	.78	2.47	2.00	.60		8.40	8.00	2.16	2.00	15.29	13.20
47187	Standard Grain Grower, 1-8-2	Baltimore	.92	.49	1.18	1.00	.55		8.15	8.00	2.16	2.00	10.61	9.70
47485	Sulphate of Ammonia	Baltimore			25.10	25.00								
47404	Sweet Potato Special	Baltimore	2.91	1.52	3.11	3.00	.98		7.22	8.00	8.24	8.00	21.13	20.90
47410	9% Tankage	Baltimore			8.91	9.00								
45819	Tobacco Bed Special	Baltimore	8.56		9.67	10.00	.40		4.60	4.00			36.67	37.40
45800	Tobacco Bed Special	Baltimore	8.45	2.97	9.44	10.00	.30		4.20	4.00			35.61	37.40
45816	Virginia Trucker	Baltimore	4.68	2.98	5.07	5.00	.60		8.50	8.00	5.04	5.00	26.47	25.80
	Westminster Fertilizer Co., Westminster, Md.													
45375	Acid Phospahet 16%	Westminster					1.53		14.52	16.00			8.94	9.60
47376	Governor	Westminster	.68		1.19	1.50	1.05		10.05	10.00	3.08	3.00	12.52	13.35
47377	Leader	Westminster	.51	.60	.82	1.00	1.08		8.97	10.00	3.20	3.00	10.65	11.60
47378	Super-A	Westminster	.46	.50	.75	1.00	.95		8.45	10.00	2.32	2.00	9.46	10.90
	H. W. Whistler, Bel Air, Md.													
47236	Crop Grower	Bel Air	1.57	1.00	2.00	2.00	.70		8.00	8.00	4.48	5.00	15.05	15.30
	J. Cleveland White, Salisbury, Md.													
47323	Tomato Compound, 2-8-5	Baltimore	1.47	.90	2.00	2.00	1.00		8.00	8.00	5.00	5.00	15.45	15.30
47288	Tomato Compound, 2-8-5	Baltimore	1.58	.90	2.06	2.00	.90		8.70	8.00	5.16	5.00	16.18	15.30
	F. M. Wilson, Snow Hill, Md.													
45996	Favorite Truck Fertilizer	Pocomoke	1.93	1.71	4.64	5.00	1.53		9.32	8.00	5.08	5.00	25.62	25.80
45784	Favorite Truck Fertilizer	Pocomoke	2.78	1.71	5.03	5.00	1.25		9.40	8.00	5.08	5.00	27.00	25.80
	Worcester Fertilizer Co., Snow Hill, Md.													
45997	Acid Phosphate 16%	Snow Hill					.20		16.80	16.00			10.11	9.60
45908	Acid Phosphate 16%	Snow Hill					1.25		16.25	16.00			9.94	9.60
45909	Early Trucker	Snow Hill	3.36	1.66	5.15	5.00	.85		8.55	8.00	5.80	5.00	27.35	25.80
45998	Early Trucker	Snow Hill	3.08	1.66	5.09	5.00	.60		8.70	8.00	5.72	5.00	27.14	25.80

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
							Insoluble		Available					
			Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
	Worcester Fertilizer Co., Snow Hill, Md., Cont.													
45910	Pocomoke Phosphate	Snow Hill	**3.61**	2.00	**5.59**	6.00	**.62**	------	**8.08**	8.00	**8.40**	8.00	$30.39	$31.40
45999	Pocomoke Phosphate	Snow Hill	**4.37**	2.00	**6.01**	6.00	**.65**	------	**8.75**	8.00	**8.12**	8.00	32.07	31.40
47153	7% Guano	Snow Hill	**6.50**	2.33	**7.34**	7.00	**.75**	------	**7.15**	6.00	**5.82**	5.00	34.16	31.60
45911	7% Guano	Snow Hill	**4.48**	2.32	**6.87**	7.00	**.80**	------	**6.45**	6.00	**5.36**	5.00	31.79	31.60
45785	7% Guano	Snow Hill	**3.99**	2.32	**7.01**	7.00	**1.45**	------	**6.85**	6.00	**5.24**	5.00	32.54	31.60
47154	Tomato Compound	Snow Hill	**1.20**	.67	**1.98**	2.00	**.25**	------	**9.55**	8.00	**5.54**	5.00	16.58	15.30
47155	Twelve and Five	Snow Hill	------	------	------	------	**.40**	------	**12.50**	12.00	**5.12**	5.00	11.14	10.70